BRITISH COLUMBIA
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MAR 3 1 2011

Our Ref. 87440

Mr. Arvind Gupta
CEO and Scientific Director
MITAC Inc.
Suite 301 – Technology Enterprise Facility
University of British Columbia
6190 Agronomy Rd
Vancouver BC V6T 1Z3

Dear Mr. Gupta:

I am pleased to advise you that the Ministry of Advanced Education will provide MITACS with a one-time contribution of $3,000,000 in support of your September 2010 proposal to the Government of British Columbia. A cheque will follow under separate cover. I would ask that you continue to provide financial statements on the status of expenditures and information related to government's objectives for research and innovation expenditures.

With this funding, I understand that MITACS will lever significant funding from other sources, including the federal government.

I wish you continued success in the future.

Sincerely,

Philip Steenkamp, BA, MA, PhD
Deputy Minister

pc: Dana Hayden
Deputy Minister
Ministry of Jobs, Tourism and Innovation

Ministry of Advanced Education
Office of the Deputy Minister
Mailing Address: PO Box 9884 Stn Prov Govt Victoria BC V8W 9T6
Telephone: 250 356-5170
Facsimile: 250 356-5468

Page 002 to/à Page 027

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Date:	February 28, 2012
Cliff#	89838
File#	60110-30/MITACS 280-20/BN 2012
Version # 2	

MINISTRY OF ADVANCED EDUCATION
DECISION NOTE

PREPARED FOR: Cheryl Wenezenki-Yolland
Deputy Minister of Advanced Education

ISSUE: Decision on a Proposed Suite of Programming for Scholarships and Internships, including Funding for Mitacs Inc.'s Programs in 2012/13

BACKGROUND:

Through accessing year-end funds, the opportunity exists for the Ministry of Advanced Education (the Ministry) to further invest in a suite of established programming that will advance government's commitments to increased internationalization, entrepreneurial education and increased innovation and commercialization of academic research and technology innovation.

The proposed suite balances opportunities for both British Columbia residents and students from other provinces and countries, with the majority of the investment in British Columbia residents. The programs are already established and would not require further development or administrative expenditures for start-up.

Not Responsive

Through a further investment in Mitacs Inc. programs, Globalink and Accelerate, government can retain and attract top-calibre students, both British Columbia residents and students from elsewhere in Canada and internationally. Through applied research projects with industry, there is increased likelihood of their attachment to the province, in addition to the benefit of increased industry/business innovation.

Not Responsive

Mitacs Inc.

Mitacs Inc. is highly successful and delivers the largest national academic-industry graduate research internship program in Canada. Mitacs Inc. is a national not-for-profit research organization based in British Columbia, and works with the federal government and with each of the ten provinces.

Since 2004/05, the Government of British Columbia has provided over $14.1 million to Mitacs Inc. to support graduate student research internship programs and fellowships for doctoral graduates. In March 2011, Mitacs Inc. received $3.5 million from the Ministry to support its programs in 2011/12.

Mitacs Inc. programs help British Columbia's universities compete for top students (retaining top British Columbia students and attracting the best and brightest from other provinces and the world). While Alberta and Ontario have longstanding graduate student scholarships programs, British Columbia does not. Consequently, Mitacs Inc.'s programs are an important source of direct support for graduate student initiatives in British Columbia.

Mitacs Globalink brings gifted international students from India, China, Mexico and Brazil to British Columbia. There are three-month research internships at British Columbia universities, offering international undergraduate students opportunities to experience living and studying in the province and to engage with British Columbia industries. There is also support through tuition subsidies, research and teaching assistantships and other funding for Globalink students returning to British Columbia for graduate studies.

Mitacs Accelerate supports research internships for graduate students and post-doctoral fellows to work on applied research projects with industry, transferring new knowledge to industry partners and advancing students' careers. Participants include students who are British Columbia residents, as well as students from other Canadian provinces and other countries undertaking their graduate education in British Columbia. Accelerate includes Mitacs Step workshops in the areas of business skills, communication, entrepreneurship and intellectual property, and project management.

DISCUSSION:

s.12; s.13

Pages 30 through 36 redacted for the following reasons:
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Date:	March 6, 2012
Cliff#	90201
File#	60110-30/MITACS 280-20/BN 2012
Version #	1

MINISTRY OF ADVANCED EDUCATION
MEETING INFORMATION NOTE

PREPARED FOR: Honourable Naomi Yamamoto
Minister of Advanced Education

DATE AND TIME OF MEETING: March 22, 2012, time T.B.C.

ATTENDEES: Dr. Arvind Gupta, Scientific Director and Chief Executive Officer, Mathematics of Technology and Complex Systems Incorporated (Mitacs Inc.)

ISSUE: In preparation for meeting or phone call regarding Mitacs Inc.'s funding request.

BACKGROUND:

Mitacs Inc.'s programs are aligned with the objectives of *Canada Starts Here: The BC Jobs Plan.* Mitacs Inc.'s Accelerate, Elevate, and Globalink initiatives result in the attraction, training and retention of highly qualified personnel for British Columbia's knowledge-based industries including high technology and clean energy. Accelerate and Elevate link graduate students to industry partners, increasing productivity and innovation, and are consistent with efforts to promote entrepreneurship education. Globalink attracts international students from India, China, Mexico and Brazil to British Columbia, contributing to the internationalization of post-secondary education in the province.

Since 2004/05, the Government of British Columbia has provided over $14.1 million to Mitacs Inc. to support student research internship programs and, most recently, for fellowships for PhD graduates. In March 2011, Mitacs Inc. received $3.5 million from the Province, including $3.0 million from the Ministry of Advanced Education and $0.5 million from the Year of Science budget. This funding was provided to support Mitacs Inc.'s programs for fiscal 2011/12.

Previous funding for Mitacs Inc. includes a one-time grant of $10 million in March 2007 to create graduate student internships over four years (2007/08 to 2010/11) under the Accelerate program, a $1 million contribution in 2007 to support Globalink under the British Columbia-India Science and Technology Initiative, and an additional $337,500 for Globalink through the Asia-Pacific Initiative in spring 2010.

The Ministry of Jobs, Tourism and Innovation is the primary government contact for Mitacs Inc.

DISCUSSION:

Mitacs Inc.'s proposal to the Province of British Columbia, titled "Strategic Investments to Inspire Research and Innovation," requests $12.7 million over three years for the following three programs:

- Mitacs Accelerate supports research internships for graduate students and post-doctoral fellows, transferring new knowledge to industry partners and preparing the students for research careers.
- Mitacs Elevate trains post-doctoral fellows for careers as industrial research managers, providing formal business, management and entrepreneurship skills training.
- Mitacs Globalink brings gifted international students to British Columbia for summer research internships and provides targeted fellowships for interns returning as graduate students.

Mitacs Accelerate includes training under Mitacs Step, a comprehensive business-ready skills training program that offers Mitacs interns workshops in the areas of business skills, communication, entrepreneurship and intellectual property, and project management. The Mitacs Step program addresses the BC Jobs Plan's commitment to support business start-ups, and specifically the Ministry of Advanced Education's assigned lead to promote entrepreneurship education.

Please see Attachment 1 for a table summarizing the funding request and Attachment 2 for a copy of the full proposal.

Mitacs Inc.'s proposal notes that the funding provided by the Province would be leveraged with funding from the federal government, industry, the universities and other sources to bring total investments in the programs to $49.6 million. Over the three years, Mitacs Accelerate would be able to fund 1,055 graduate student internships, Mitacs Elevate would fund 91 post-doctoral fellowships and Mitacs Globalink would fund 210 international student internships and 30 international student fellowships.

Funding for graduate student internships and scholarships plays a significant role in the ability of British Columbia's universities to compete for top students. British Columbia does not currently have a scholarship program for graduate students, and consequently Mitacs Inc.'s programs are an important source of direct support for graduate students in British Columbia. In comparison, graduate students in Alberta and Ontario have access to Mitacs Inc.'s programs as well as significant provincial scholarships (Alberta provides about $20 million annually in graduate scholarships and Ontario provides about $38 million annually in graduate scholarships).

In January 2012, Mitacs Inc. officials presented the funding request to staff of the Ministries of Advanced Education, Health and Jobs, Tourism and Innovation.

As part of a package of scholarship/internship funding for both international and British Columbia students, the Ministry of Advanced Education is exploring the potential use of year-end funds to provide funding for a portion of Mitacs Inc.'s request. A funding decision will not be secured until late in March 2012 (as the funding involves Ministry funds currently frozen by Treasury Board).

SUGGESTED RESPONSE:

- Mitacs Inc.'s contribution to graduate education, British Columbia's research and innovation capacity, and current provincial priorities is highly valued.
- The Ministry does not have a program with funding for this type of proposal; however, I will keep the proposal on file to be considered should funding become available at year-end.

Attachments: Attachment 1: Table of Mitacs Inc.'s Funding Request
Attachment 2: Mitacs Inc.'s Proposal to the Province of British Columbia

Prepared by:	Connie Marczyk, Education Officer	Approved by:	
	Post-secondary Regions and Programs	Director	SB
	Division	Executive Director	SB
Phone #:	(250) 387-2340	Assistant Deputy Minister	"DM"
		Deputy Minister	DM for CWY "

Attachment 1

Mitacs Inc. Funding Proposal

The following table provides a summary of the funding request:

s.17, s.21

Mitacs

Inspiring innovation
Inspirer l'innovation

Mitacs Inc.

Strategic Investments to Inspire Research and Innovation (R&I)

Proposal to the Province of British Columbia

November 2011

www.mitacs.ca

Overview

In a time of global economic upheaval, we have a rare and significant opportunity to leverage our financial strength to close the **research and innovation** (R&I) gap with our peers, surpassing them to build an innovative, knowledge-based economy with sustainable, well-paying jobs for Canadians. ***Mitacs,*** in conjunction with British Columbia's research universities as well as 44 national research organizations, is uniquely positioned to support BC's *Research and Innovation Strategy* with a suite of programs that support exceptional collaborative R&I, ensuring skills training for BC's next generation of innovators.

Objectives

- Encourage the recruitment and retention of highly-trained and highly-skilled innovators and entrepreneurs;
- Help build a modern workforce that matches cutting-edge knowledge with practical skills;
- Leverage BC investments in research, innovation, and training with real and significant investments from private sector partners and the federal government;
- Increase industry investment in research and innovation and support high-quality jobs and entrepreneurship;
- Brand BC as a world-leading jurisdiction for research, innovation, and commercialization.

R&I Partnerships and Skills Training for High-Quality Jobs

Mitacs programs support innovation through collaborative R&I partnerships between industry and academia. Cutting-edge peer-reviewed research projects bring cutting-edge academic know-how to bear on industrially-relevant projects, boosting productivity or commercialization. Uniquely, ***Mitacs*** programs integrate industrial skills training for highly-trained students and graduates. Our programs increase the skills base of highly-educated, entrepreneurial trainees, preparing them for high-quality jobs:

- ***Mitacs Accelerate*** connects industry and universities through co-supervised internships with graduate students or postdoctoral fellows who apply specialized expertise to business research challenges while earning industry experience and networking to support the transition to the private sector. *Accelerate* also provides skills training through ***Mitacs Step,*** Canada's only comprehensive business-ready skills training program for future research leaders, with training in interpersonal skills, project management and entrepreneurship;
- ***Mitacs Elevate*** addresses a critical shortage in research management by providing a foundation of research, business, entrepreneurship and scientific management skills to recent PhD graduates. *Elevate* postdoctoral researchers establish vital connections with industry by managing a cutting-edge industrial R&I project and through associated networking and training events;
- ***Mitacs Globalink*** brings the world's top students to BC, forging international networks, recruiting highly-skilled future workers, and building BC's reputation as a world-leading R&I destination. *Globalink* students, selected from the highest-achieving students in India, China, Brazil, and Mexico, perform summer research internships with BC's world-class researchers and are offered competitive recruitment graduate scholarships. These students are future BC innovators and/or ambassadors for BC's R&I excellence.

Implementation

- ***Mitacs Sector Strategy*** targets projects in sectors of strategic importance, including life sciences, technology, clean tech, and natural resources;
- Leverage previous BC investments totalling nearly $15 million in *Accelerate, Elevate,* and *Globalink*.

British Columbia Investment

s.21

Mitacs Accelerate British Columbia

Mitacs Accelerate supports research and innovation (R&I) by connecting industrial partners with researchers at BC universities through research internships for graduate students and post-doctoral fellows (PDFs). Interns apply specialized expertise to industrial research challenges and transfer cutting-edge academic knowledge and technology to industry partners, who improve productivity and innovation. In turn, interns gain industrial research experience, preparing them to contribute to BC's knowledge economy.

Objectives

- **Expand Canada's innovation capacity** by building linkages between BC's universities and industry;
- **Promote cutting-edge research** that supports BC socio-economic innovation;
- **Increase high-quality jobs** in industry and non-profits for highly-trained graduate students and PDFs;
- **Prepare highly-trained students** for research careers with industry;
- **Continue the exceptional partnership** between Mitacs and BC, delivering more than 1,200 *Accelerate* internships, and generating more than $18 million in industrial R&I investment from BC industry.

Program Description

Mitacs Accelerate is Canada's premiere research internship program. It is co-delivered by 44 Canadian research organizations who share Accelerate's strategic goals. *Accelerate* internships involve:

- A four-month research internship working on a scientifically peer-reviewed project designed to address a particular challenge faced by the industrial partner;
- Co-supervision by academic and industrial partners, with about 50% of time on-site with each partner;
- Cost-sharing between industry and Mitacs, with the highest industrial matching of government funding by non-academic partners of any nationally funded research program.

Internships may be part of ***Accelerate Clusters,*** larger multi-disciplinary projects with multiple interns, possibly multiple industrial partners. *Accelerate* interns receive additional training through ***Mitacs Step***, which provides business and soft skills training in project management, teamwork, and business etiquette, among other areas.

Anticipated Benefits

- Establish industry-academic partnerships based on **high-quality peer-reviewed research;**
- Increase **industry-readiness of highly-qualified graduates** ready to meet R&I challenges across all sectors;
- Provide **relevant business skills training** to help interns contribute effectively to the innovation economy;
- Provide low-cost, low-barrier **entry to R&I** for SMEs and firms in traditional sectors that lag in innovation;
- Increase business expenditure on R&D (BERD), resulting in increased **high-quality, sustainable jobs.**

Implementation

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Mitacs Elevate British Columbia

Mitacs Elevate promotes British Columbia R&I by training our most highly-skilled graduates for careers as industrial research managers. By establishing and leading a major collaborative R&I project with industry or another non-academic partner, *Elevate* post-doctoral fellows (PDFs) gain the skills, experience and networks to lead an industrial research division. *Elevate* supports cutting-edge collaborative research and helps create high-quality jobs by effectively training our best and brightest PhD graduates for leadership positions in industrial research.

Objectives

- **Expand** a successful pilot partnership between Mitacs and the BC government that is supporting research management skills development for 13 BC-based PDFs in its first year;
- **Enhance productivity** by connecting industry and not for profit organizations with BC PhDs with cutting-edge research, business, entrepreneurship and scientific management skills;
- **Build an BC competitive advantage** by giving companies access to highly-qualified, highly-skilled talent;
- Brand BC as a hub for **innovation, research, and talent development**.

Program Description

Mitacs Elevate equips PDFs with the skills and experience to establish and manage a cutting-edge collaborative industrial R&I project. *Elevate* PDFs participate in formal business, management, and entrepreneurship skills training. They apply these skills to the management of a collaborative project that addresses an industrial need with cutting-edge research. *Elevate* involves two types of renewable one-year fellowships:

- Industrial Post-doctoral Fellowships (IPFs) support PDFs managing a collaborative research project with an industrial or other non-academic partner. By performing research on site, the PDF gains management experience while performing cutting-edge research that meets the partner's innovation challenge.
- Strategic Post-doctoral Fellowships (SPFs) support university-based PDFs while they establish an industrially-relevant research project and identify an industrial partner. During the one-year fellowship, *Elevate* staff work with the PDF to help identify and recruit potential partners, and design strategies for forging research links. After one year, a partnership is established and fellows are moved to the IPF program.

Anticipated Benefits

- Support high-quality, peer-reviewed applied research projects in sectors of strategic importance;
- Provide PDFs with training in research management, evaluation, project management, communication, networking, and other business, commercialization, and entrepreneurship skills;
- Help PDFs reach out to strategically important sectors and secure non-academic research partners;
- Increase retention of PhDs in BC by placing them in senior industrial research positions;
- Increase the number of high-quality jobs by providing companies access to a uniquely trained and highly qualified pool of talent that combines cutting-edge research abilities with business skills and experience.

Implementation

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Mitacs Globalink British Columbia

Mitacs Globalink brands British Columbia as the premiere education destination for exceptional international students. Currently focused on strategic, rapidly growing trade partners such as India, China, Mexico and Brazil, *Globalink* attracts exceptional international students to BC universities, expands BC business and research networks, helps recruit highly skilled workers, and promotes BC as a premiere destination for research, education, and innovation.

Objectives

- Brand **British Columbia as the international innovation destination** for gifted young researchers worldwide;
- **Network BC innovation leaders** with those from emerging nations important to BC's economy;
- **Enhance BC's entrepreneurial and innovation capacity** through strategies designed to target BC's emerging industry sectors and infuse them with international perspectives;
- **Build on past *Globalink* support**, which has brought more than 100 students to BC.

Program Description

Globalink showcases BC's academic and industrial strengths to gifted international students. Students:

- Undertake a three-month summer research internship supervised by a leading BC researcher;
- Engage and network with BC industry to understand emerging opportunities;
- Enjoy local networking events designed to showcase the benefits of BC culture;
- Support a strong BC network of students, researchers, and industry.

Mitacs offers targeted ***Globalink Fellowships*** at participating universities to exceptional *Globalink* interns for British Columbia graduate programs. Key features of these Fellowships:

- Two years of support for graduate students returning to study and research at BC universities;
- Universities contribute tuition subsidies, research and teaching assistantships and supplementary funding.

Globalink also supports on-the-ground brand-building in India Brazil and China, through which *Globalink* alumni are deployed as BC education ambassadors to recruit candidates and market BC universities.

Anticipated Benefits

- **Incent innovation** by increasing the number of exceptional international students who choose BC;
- **Improve BC productivity and competitiveness** by expanding and diversifying the pool of highly-skilled and highly-qualified human capital for Canadian industry;
- Create **international education ambassadors** via *Globalink* participants, who highlight Canadian opportunities and experiences at high schools, universities, their social networks, and in their communities;
- Build Canada's brand as **a premiere innovation destination**, with world-class R&I and institutes of higher education, through increased international media coverage and alumni ambassadorship.

Implementation

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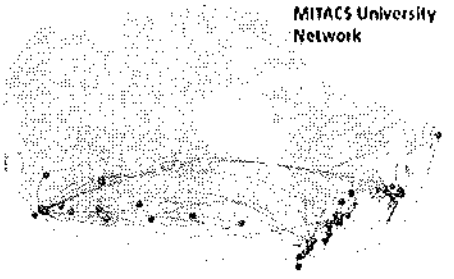
Appendix A: About Mitacs

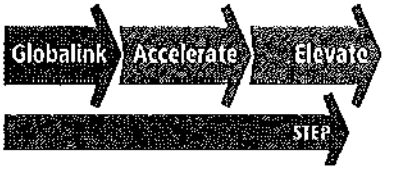
Mitacs is:

- Canada's leading not-for-profit organization dedicated to promoting high-quality research and innovation by building bridges between academia and industry;
- Mandate encompasses all academic disciplines: science and engineering, health sciences, and the social sciences;
- Renowned for its ability to identify emerging economic and social issues, to bring together a team of academic scientists with their industrial counterparts, to manage the research process, promote skills development and training, and to deploy leading-edge technology;
- Collaborates closely with researchers at its 51 member universities and nearly 1,000 companies across Canada. More information can be found at www.mitacs.ca.



Mitacs has:

- The best record in Canada of creating alliances, partnerships and collaboration between the industrial and academic communities that lead our nation's R&D and innovation;
- Proven, innovative skills training, recruitment, and retention programs that facilitate, enrich and add value to the talent development pipeline of Canada's early learning, K-12 and tertiary educational;
- The highest leverage of industry funding of any nationally-funded research program.



Mitacs successes:

- Delivered the largest national academic-industry graduate research internship program in Canada (2008: 610 internships; 2009: 1,100; 2010: 1,300; 2011: 1,470);
- Increased retention rates in the applied sciences by 16 per cent for Canadian graduate students, and 50 per cent for international graduate students through *Mitacs Accelerate*;
- Piloted the successful *Mitacs Elevate* program to transition highly-trained and highly-skilled post-doctoral fellows into leadership positions at research companies and not-for-profit organizations;
- A *Mitacs Step* proof-of-concept project offered more than 7,000 Canadian graduate students business skills workshops across five Canadian provinces, providing them with the critical innovation skills of teamwork, science communication, entrepreneurship, project management and working in a business environment;
- Recruited more than 300 exceptional international students since 2008 from India, China, and Brazil, through the pilot *Mitacs Globalink* program, to perform summer research internships with world-class Canadian researchers in eight provinces across the country;
- Piloting an entrepreneurship training and mentorship program called *Mitacs Enterprise* to provide business development skills and experience to ambitious STEM graduates of universities and degree-granting colleges;
- Performed math outreach activities involving more than 50,000 Canadian K-12 students in four provinces;
- Partnered with federal and provincial governments and agencies to attract more than $50 million in direct industrial investment in R&D. Our programs ensure that thousands of highly qualified knowledge workers are retained in this country, ensuring continuing innovation and high standards of living.

Appendix B: Mitacs Step

Mitacs Step, a skills and entrepreneurship program, was inspired by the acknowledged need for comprehensive professional and transferable skills training for graduate students. *Step* equips highly-trained and highly-skilled students with interpersonal and business skills to help them succeed in high-quality jobs in industry and not-for-profits. *Step* programming is integrated throughout Mitacs programs, where it accompanies and supports hands-on experience gained during participation in the *Accelerate, Elevate,* and *Globalink* programs. The popularity and value of *Step* programs ultimately led Mitacs to open them to the general graduate student and post-doc population. During a five year proof-of-concept, 7,000 students have attended 500 workshops in five provinces.

Objectives

- **Equip graduate students** with the necessary **professional, business, and entrepreneurship skills** to be effective in the knowledge economy;
- Ensure an **ongoing dialogue with industry** to understand their future skills needs and to enhance standard graduate training to ensure this broader imperative is met;
- **Leverage and optimize the training effort as a national priority** that is cost-efficient, and effectively reaches the graduate student body in all regions and disciplines across the country.

Program Description

Mitacs Step positions our graduate students as future innovators and entrepreneurs and prepares them for potential employers and collaborators. Subject-area experts lead training sessions organized collaboratively by Mitacs and partners including universities, industry and research organizations. *Step* workshops are focused on:

- **Communications**: presentation skills, social intelligence, technical and scientific writing, and networking;
- **Project management**: setting objectives, team-work, end-goal perspectives, basics of project management;
- **Entrepreneurship and intellectual property:** business planning; the basics of intellectual property, patents and trademarks; and the processes for forming a business;
- **Multi-disciplinary industrial networking and problem solving:** industrial networking and team-based industry problem solving help students understand, define, and apply newly honed skills.

Anticipated Benefits

- Create a dynamic and flexible workforce, equipped with the technical, professional, and entrepreneurial skills necessary for the rapidly changing knowledge economy;
- Establish a platform that creates opportunities for students to learn the essential business success skills of teamwork, communication, project management and entrepreneurship;
- Build a national strategy so our most sophisticated future knowledge workers obtain a full range of skills.

Current Goals

- Expand successful regional pilots into a comprehensive national program for business skills development;
- Grow the program nationwide from 200 workshops in 2011-12 to 400 in 2012-13, 600 in 2013-14 and 800 in 2014-15;
- Target graduate students in all regions, ensuring equal access irrespective of jurisdiction;
- Provide an on-going learning environment through an on-line toolkit.

Mitacs Step Curriculum Outline and Learning Outcomes

The Mitacs *Step* program is a comprehensive portfolio of skill development and networking activities for Canadian graduate students. This program helps develop soft- and hard-skills to assist facilitating the long-term career success of the nation's graduate students.

Mitacs has conducted an extensive survey and solicited input from focus groups of a broad cross-section of Canadian companies as well as students and their professors to determine skills gaps with the highest priorities. Based on these skill categories, the following course curricula have been developed:

Workshop	Curriculum Outline & Learning Outcomes
Business Etiquette/ Business Conduct Excellence	✓ Basic rules of business etiquette: Dress the part, First impressions, Email and on-line etiquette, Organizing and running a meeting ✓ Basics of presenting (paired down, basic tips, sample presentations) ✓ Tips to remember when interacting with your industry supervisor and team
Time Management	✓ Setting long and short term goals using the SMART formula ✓ Establishing daily priorities and blocking time: Overcoming procrastination ✓ Handling interruptions, requests and instant demands ✓ Communicating effectively via email and voicemail ✓ Maintaining balance enhances success: learning to say no and prioritize
Practice Your Presentation Skills I	✓ Persuade and motivate others; Engaging your audience ✓ Engage others through genuine authenticity; Structuring your presentations; ✓ Managing and overcoming fear ✓ Be perceived as a stronger leader; Making points persuasively
Practice Your Presentation Skills II	✓ Build from Level I: More structured presentations, more confident participants ✓ Deliver 15 minute presentations: Be concise and fluid ✓ Each presentation is filmed so participants can reflect on how they appear to others ✓ Constructive feedback from facilitator and participants ✓ Condense your presentations (20 slides, 15 seconds per slide), prioritize information
Bridge the Gap: Academic to Business Writing(Online)	✓ The role of audience and purpose in writing: Useful prewriting strategies ✓ Organizational strategies, Editing and proofreading strategies ✓ Use language to create concise, precise documents ✓ Write effective emails
Build Your Scientific and Technical Writing Skills	✓ Different types of scientific and technical writing ✓ The basics: Format, content, abstract, experiment/method, results, data presentation, discussion, conclusions ✓ Structure, effective transitions, discipline specific documentation, clarity, organization ✓ Revising for different audiences: reuse material for a grant proposal, thesis, or a journal ✓ Grammar errors most commonly made by students
Proactive Communication: Basics of Social Intelligence	✓ Personal assumptions and mental models and their influence on communication ✓ Determine your on assumptions and how to avoid them; Navigate difficult conversations ✓ Identify the qualities of a high-performing team, implement the 12 criterion for success ✓ Balance task and process within teams - use Tuchman's group development model ✓ Identify and Understand the use of roles, decision-making and group vision

Networking	✓ Connecting within and outside the organization: Effective Introductions/Pitch. ✓ Build relationships with your network and cross-network between disciplines. ✓ Build extensive, long-lasting connections; Fuel and maximizing existing connections. ✓ Hands-on networking opportunities: getting comfortable ✓ Understanding individual role as a brand ambassador ✓ Networking as a priority: How to go beyond 'business only events'.
Foundations of Project Management I: A team-based approach	✓ Forming new teams and learning from each other ✓ Principles of project management/team building: The team agreement ✓ Project planning concepts: Using Critical Path Method (CPM) to schedule activities ✓ Collaborative project planning: An interactive agenda to develop select project plans ✓ Risk assessment on the projects planned
Foundations of Project Management II	✓ Build from Level II: Preparing a project overview, estimating, budgeting, resource scheduling, crisis management, implementing the plan ✓ Creating project culture for creativity, innovation, and productivity ✓ Giving and receiving constructive criticism ✓ Situational Leadership and Personal Planning ✓ Learning, review, action planning and project closure
Managing Projects	✓ Improved project execution: Realistic project plans and budgets; Improved communication with stakeholders; Better management and mitigation of risks ✓ Project life cycle/Project charter ✓ Creating a project schedule and budget with critical path analysis ✓ Risk management and monitoring ✓ Managing stakeholder relationships
Basics of Intellectual Property	✓ Importance and strategic use of IP ✓ Introduction to trade secrets, patents, trade-marks, copyrights and industrial designs ✓ Useful resources and tips ✓ Links to IP publications and on-line tools; and contact information
Patents & Trademarks	✓ Builds on Basics of IP, providing more information specifically on patents and trademarks
Becoming an Entrepreneur	✓ What makes an entrepreneur; different types of entrepreneurship ✓ Managing your career: Science and business do mix ✓ Angel and Venture Investors: The pitch, The ins and outs of venture capital ✓ Start-up mentoring: Understanding the business process ✓ Basics of a business plan, Evaluating business plans: Peer exercise
The Art of Powerful Conversation	✓ Ask the right questions: Discover the true essence of another person ✓ Finding similarities between people who believe they are different from each other. ✓ Understand an individual's motivation behind the decisions they make.
Discovering the Entrepreneur Within	✓ Elements of successful and unsuccessful businesses ✓ What it takes to be an Entrepreneur/Self-assessment ✓ Types of businesses/Different Sources of financing ✓ Business planning ✓ Elements of a successful pitch
Team Based Industrial Problem Solving	✓ Distill the key features of an industry problem ✓ Stating the problem: Sifting out the nuggets ✓ Team-based approach: Taking a multi-disciplinary view ✓ Bringing together expertise ✓ Presenting your results: Keeping the client happy
Emerging Techniques Summer Schools	✓ Identify an emerging topic requiring multi-disciplinary approach ✓ Bring together experts and students across universities ✓ Intensively study the topic: Team work is the key

Appendix C: Mitacs Academic Members 2010-11

Full Members
Institut National de Recherche Scientifique de Montréal (INRS)
McGill University
McMaster University
Ryerson University
Simon Fraser University
Université de Montréal
University of Alberta
University of British Columbia
University of Calgary
University of Manitoba
University of Ottawa
University of Toronto
University of Waterloo
University of Western Ontario

Associate Members
Carleton University
Concordia University
Dalhousie University
École de Technologie Supérieure (ETS)
École Polytechnique de Montréal
Memorial University of Newfoundland
Queen's University
University of Guelph
University of New Brunswick
University of Saskatchewan
University of Victoria
York University

Affiliate Members
University of Lethbridge

Honorary Members
Acadia University
Concordia University College of Alberta
Emily Carr Institute of Art & Design
HEC Montréal
Lakehead University
Laurentian University
Mount Allison University
Mount Sinai Hospital
Royal Military College of Canada
Saint Mary's University
Thompson Rivers University
Université de Moncton
Université de Sherbrooke
Université du Québec à Montréal
Université du Québec à Trois-Rivières
Université du Québec en Abitibi Témiscaminque
Université Laval
University of Northern British Columbia
University of Ontario Institute of Technology
University of Regina
University of Windsor
University of Winnipeg
Vancouver Island University
Wilfrid Laurier University

Appendix D: Mitacs Research Members 2010-11

AFMNet
AllerGen
BC Bioenergy Network
Bioindustrial Innovation Centre
Canadian Obesity Network
Canadian Stroke Network
Canadian Water Network
Communities of Tomorrow
Composites Innovation Centre
Compute Canada
  Includes Atlantic Computational Excellence Network (ACEnet), Consortium Laval, Université du Québec, McGill and Eastern Québec (CLUMEQ), Réseau québécois de calcul de haute performance (RQCHP), High Performance Computing Virtual Laboratory (HPCVL), SciNet, Shared Hierarchical Academic Research Computing NETwork (SHARCNET), Western Canada Research Grid (WestGrid)
Consortium en innovation numérique du Québec (CINQ)
Consortium de recherche et d'innovation en aérospatiale au Québec (CRIAQ)
Cybera: Alberta Cyberinfrastructure for Innovation
Fields Institute for Research in Mathematical Sciences
Graphics, Animation and New Media NCE Inc (GRAND)
Health Research Internship Consortium
  Includes Michael Smith Foundation for Health Research, Manitoba Health Research Council, Prince Edward Island BioAlliance, le Fonds de la Recherche en Santé du Québec and Alberta Innovates-Health Solutions
The Health Technology Exchange (HTX)
Intelligent Sensing for Innovative Structures Canada (ISIS)
Mprime Network Inc.
NanoQuébec
National Initiative for the Care of the Elderly (NICE)
NeuroDevNet
Oceans Network Canada
Ontario Centres of Excellence (OCE)
Ottawa Centre for Research & Innovation (OCRI)
Pacific Institute for the Mathematical Sciences
Partnerships for Research on Microelectronics, Photonics & Telecommunications (PROMPT)
Precarn Inc.
PrioNet Canada
Promoting Relationships & Eliminating Violence (PREVNet)
Stem Cell Network
Thunder Bay Regional Research Institute
TRLabs

Appendix E: Mitacs Industry Partners 2008-11

2G Robotics Inc.
3D Sherlock Software
3L-Innogenie Inc.
76 Design
A. Lassonde Inc.
A.U.G. Signal Ltd
Aaron Rallo Consulting
AB Biotech Inc
AB Chem Inc
Abills
Abitibi Geophysique inc
AbitibiBowater
Acculogic Inc
Addenda Capital
Adigy Canada Inc.
Advanced E-commerce Research Systems
Advanced Engine Technology Ltd. (AET)
Advanced Micro Devices (AMD) Inc.
Advanced Syn Tech Corporation
AECOM
AeroInfo Systems
Aeroquest Surveys
Agfa HealthCare
Agnico-Eagle Mines (AEM)
Agri-Food knowledge Solutions
Agri-Therm Inc
Agropur Cooperative
Al Consultants Inc.
AIOLOS Engineering Corporation
Air Canada
Alacrity Foundation
Alan G. Davenport Wind Engineering Group
AlCana Technologies
Alcatel-Lucent
Alcohol Countermeasure Systems Corp.
Alcon Canada Inc.
Algorithmics Inc.
Allerta
Allostera
Alltech
Almonix Inc
Alogient Inc
Alpha Technologies
AltaSteel Ltd.
Alterna Energy Inc.
Altuis Resources Inc.
Amco Farms Inc
AMEC Nuclear Safety Solutions (NSS)
Ameresco Canada
Amorfix Life Sciences Ltd.
Analytic Systems
Andritz-Hydro Ltee &
AON Benfield Securities
ApoPharma
Applanix corporation
Applied Nanotools
Apstat Technologies
AQL Management Consulting
Aramark
Archipelago Marine Research Ltd.
Arjae Spectral Enterprises Ltd.
Aruncus Consulting
Arup Canada Inc.
Assessx Technology Ltd.
Astra Zeneca Canada Inc.
Astral Media, Family Channel
A-Tech Instruments Ltd.
Atlantic Hydrogen
Attodyne Inc.
Atwood Technologies
Audiokinetic Inc.
Autodesk
Automated Systems Research
Automotive Fuel Cell Cooperation Corp.
AutoSkill International
AV Cell
AV&R Vision&Robotics
Avalon Microelectronics
Avema Technologies
Avior Integrated Products Inc.
AVIVA Canada
Axcan Pharma Inc
Axcelon Biopolymers Corp
Axio Power Canada Inc.
AXYS Analytical Services Ltd.
Backstage Technologies Inc
Ballard Power Systems
Ballicater Consulting Ltd.
Balute Inc.
Bank of Montreal
Bardel Entertainment Inc.
Barrick Gold Corporation
Batawa Development Corporation
BC Bioenergy Network
BC Biomedical Laboratories Ltd.
BC Housing
BC Hydro
BC Mining Research Limited
BC Spot Prawn
BC Transmission Corporation
BCT Technologies Corporation
Behan Construction Ltd
Belisle Solution-Nutrition
Bell Canada
Bell Helicopter Textron Canada Ltd
Bell Mobility Inc
Bentley Systems, Incorporated
Beton Brunet
Better The World
BILD
Bioinformatics Solutions Inc
Biopeak Corporation
Biophage Pharma Inc
BioProspecting NB Inc
BIOREM Technologies Inc.
Bioshield Technologies Canada
Biosign Technologies Inc.
Biro Air Energy Inc.
Bits Republic Technologies
Black Stone Sports Inc.
Blue Energy Canada Inc.
Blyth Education
BMO capital Markets
BMT Fleet Technology Ltd
Boehringer Ingelheim (Canada) Ltd/Ltée
Bombardier
Bombardier Aerospace
Bombardier Recreational Products
Bombardier Transportation Canada
Boreal Genomics
Boundary Layer Wind Tunnel Laboratory
Boutillette Parizeau et Assoc.
Brican Automated Systems Inc.
Bridgepoint Health
Bristol Aerospace Ltd.
British Columbia Securities Commission
BroadbandTV, Inc.
Bromgold workforce diversity
Bruker Ltd
Business Intelligence Solutions
Bykart Software
C4i Consultants
CA Canada Company
Cameco Corporation
Canada Zinc Metals
Canadian Construction Association
Canadian Document Extraction
Canadian EMR
Canadian Forest Products Ltd.
Canadian Imperial Bank of Commerce
Canadian Institute of Steel Construction
Canadian Integrated Optics Ltd.
Canadian Mink Breeders Association
Canadian Pacific Logistics Solutions
Canadian Sport Centre Ontario
Canadian Tire
Canadian Turfgrass Research Foundation
Canadian Wollastonite
CANBERRA
CanCog Technologies
Canfor Pulp Limited Partnership
Capital District Health Authority
Caprion Proteomics
Carbon Credit Corp.
Cardinal Hardy
Carmanah Technologies Corp.
Cascades
Catalyst Equitites
CBC Radio 3
C-CORE
Celestica
Cendrex Inc
CENNATEK Bioanalytical Services Inc.
Centerline (Windsor) Limited
Centre de conditionnement physique Actiforme
Centre for Music Education and Cognition
Centre for Research and Innovation in the Bio-Economy
Century Group
Cetaris
CGG Veritas
Charles Fairbank Oil Properties Ltd
Checkfluid Inc.
ChemVirion
Chicken Farmers of Saskatchewan
Ch-ihl-kway-uhk Forest Limited
Chippewas of Nawash Commercial Fishery

Chiu Hippmann Engineering Inc. Consulting Structural Engineers
Chreod Group Inc.
Christie Digital Systems Canada
Chrysler Canada Inc.
Chudleigh's Limited
Chute Amps Inc.
CIBA Vision Canada
CIMA+
Cistel Technology Inc.
Citrix
Clayoquot Forest Management Ltd.
Clearford Industries Inc.
Clearsphere Inc.
Cleveland Clinic Canada
Client Outlook
Cinemetrica Inc
Cloakware Corporation
CMC Microsystems
CMHC
CNH Canada
Coast Behaviour Analysts
Coast EcoTimber Inc.
Coast Opportunity Funds
Coast Tsimshian Resources
Coastal and Ocean Resources Inc.
Coastal Contacts Inc.
Coastal First Nations Great Bear Initiative Society
Coasun Incorporated
Cogent Industrial Technologies
ColbaNet
Cole Engineering
CollegeMobile Inc.
COM DEV International Ltd
Comimi Research Inc.
Community Social Planning Council
Compusense
Concert Properties
Conestoga-Rovers & Associates (CRA)
ConeTec Investigations Ltd.
Confederal Technology Corporation
ConocoPhillips Canada Resources Corporation
Consortium de Recherche et Innovations en Bioprocedes Industriels du Quebec
Contextual Search
Conversion Works Corp
Cooper Boating
Cooperative Federee
Cooperators
CORE
COREALIS Pharma Inc.
Country Ribbon Inc.
Credo Interactive Inc.
Crosswind Power Systems
Crosswing, Inc.
Cryptolex
Crystal Fountains Inc.
CST Innovation Ltd.
CTA - Centre technologique en aérospatiale
Cyborg Trading Systems
Cytochroma Inc
Dainty Foods
Dairy Famers of Ontario
Danfoss Inc.
DBk Consulting Inc.
Deep Vision Inc.
DefendGate Inc.
Delastek
Deloitte Consulting
Deloro Stellite Group
Del-Tech Inc.
Desjardins Groupe d'Assurances Générales
Dietitians of Canada
Digital Dash Ltd
Discovery Air
Disternet Technology, Inc.
DNA Ident Inc
DocuLibre Inc.
Dolby Canada
Domtar
Dr. Robot Inc.
Dragonfly Developments Inc.
Draxware Inc.
Droycon Bioconcepts Inc
D-TA Systems Inc.
Dunne-za Ventures LP
Dupont Canada
D-Wave Systems Inc.
Dynacon Inc
Dynamic Leap Technology Inc.
Dynatool Industries
E.I. DuPont Canada
E-3 Solutions Web and Mobile Inc.
Eagle Plains Resources Ltd.
Earthcycle Packaging
Earthtone Environmental R & D Inc.
Eastern Shore Outdoor Heritage Association
Ecologia Consulting
Ecolomondo International Corp.
EcoPlan International
EcoSafe Natural Products Inc.
Ecotrust Canada
Ecowork Inc
EDC
Edgewater Computer Systems Inc.
e-djuster
Elastic Entertainment Inc.
Electric Vehicle Controllers Ltd
Electromagnetics
Electronic Arts, (Canada), Inc.
Element Life Science
Elumne
Embedded Sense Inc
Emovi inc.
enCompass Solutions Group
Enquiro Search Solutions, Inc.
Entropex
Envirem Technologies
ENVIRON (EC) Canada Inc.
Environmental Instruments Canada Inc.
Environmental Proteomics
Envirospeak Media
Eramosa Engineering
Ericsson Canada
Erin Consulting Ltd.
Ernest Decker and Lynn Halfyeard
ESSA Technologies
Essential Silver Incorporated
Evolve Assessments & Diagnostics Ltd.
Expretio
Factors Group of Nutritional Companies
Fair Trade Carbon Ltd.
Farmboy Fine Arts Inc.
Fay Environmental
Federation des Producteurs de Pommes de Terre du Quebec
FERRING Inc. INTERNATIONAL
Fido Solutions
Field Metrica Inc.
Fielding Chemical Technologies Inc.
Fincad
Fio Corporation
Fish Harvesters
Fit Brains by Vivity Labs, Inc
Flagstone RE
FlitePlan
Flowers Canada Ontario
FOLIA Biotech
Foothills Research Institute
Forestry Research Partnership (FRP)
FORRX Consulting Inc.
FP Innovations - Forintek
FP Innovations - Paprican
Freshwater Fisheries Society of BC
Frima studios
Fujifilm Canada Inc.
GABAE development
Gage Applied Technologoes Inc.
Gay Lea Foods Co-Operative Ltd
GCI Canada
GE Lumination Lighting
GE Water & Process Technologies
Gemtec Ltd
General Electric Canada Inc.
General Fusion
General Motors Canada Ltd.
GenieKnows R&D
Genivar
GenoLogicsLife Sciences Software
GenomeDx Biosciences Inc.
GeoDigital International Inc.
GeoMemes Research
Geomorphic Solutions (Sernas Group Inc.)
Georeference Online
Geosyntec Consultants Inc.
Gerdau Ameristeel
Gestion TechnoCap Inc.
Giro
Gitga'at Development Corporation
GlaxoSmithKline
Global Technix Ltd
Globalive Wireless
GMT Geomet Tech
Goldak Technologies Inc.
Goldbrook Ventures Inc.
Goldcorp Inc.
Golder Associates
Gore Mutual Insurance Company
Gosco Valves
GoSecure Inc
Gracom Masonry
Greater Peterborough Area Economic Development Corporation

Greater Victoria Coalition to End Homelessness
GreenCentre Canada
Green-Erg Technologies
GridCentric Inc
Groupe ALDO
Groupe Beaucage
Groupe CTT
GROUPE GDG ENVIRONNEMENT LTÉE
Guardien Virtuel Inc.
Guayaki Yerbe Mate
Gwaii Haanas National Park Reserve & Haida Heritage Site
Haber Dermaceutics
Haemonetics Canada Ltd
Haida Enterprise Corporation (HaiCo)
Haliburton Forest and Wildlife Reserve Inc.
Hard Creek Nickel Corp.
Hatch Ltd
HealthAnyWhere
Heathwood Homes
Heaven Fresh Canada Inc.
Hegyi Geomatics International Inc.
Helitsuk Economic Development Corporation (HEDC)
Helimax
Hellocentric Technologies
Hendrick Seeds Corporation
Henning Software Solutions
Heritage Foundation of Newfoundland and Labrador
Hewlett Packard Canada
Hinext Consulting
Hinton Wood Products
Honeywell Aeorspace, Advanced Technology
Hospital for Sick Children
Human Systems Inc.
Husky Energy
Hybrid Turkeys, Hendrix Genetics Ltd.
Hydro One
Hydro Quebec
Hydro-Com Technologies
Hyland Seeds
IAMGOLD
IBECA Technologies Corp.
IBM Canada
iCo Therapeutics Inc.
Icron Technologies Corp.
ICX Technologies
IDAPT inc
IDme Technologies Inc.
IGENO
IgnitePlay
IGY Inc
IMDS Software Inc
Immunovaccine Inc.
Imperial Oil Limited
Imperial Tobacco Canada (ITC)
IMV Projects Atlantic
InCoreTec Incorporated
Industries Norbord Inc.
INETCO Systems Ltd.
Infinit Nutrition
Infonaut Inc.
Informetrica Ltd.
Innovata Labs
Institut de recherche d'Hydro Quebec
Institute for Catastrophic Loss Reduction
Intelligent Mechatronic Systems
Intellimeter Canada Inc
Intellog Inc.
International Characters, Inc.
IOTO International Inc.
Ipsos Reid Public Affairs
IRD (International Road Dynamics Inc.)
Irdeto Canada
IREQ
Iron Ore Company of Canada
Irosoft
Irving Paper
Island Timberlands
ISR Technologies
Junctus Geomatics Corp.
Ivanhoe Mines
IWK Health Centre
J.D. Irving, Limited
JackTek Systems Inc.
Jenmar of Canada Inc
JG Group of Companies
Josun Inc
Kalesnikoff Lumber
Kanata Chemical Technologies Inc.
Kanayo Software inc.
Kapik Integration
K8M Forestry Consultants Inc.
Keefer Ecological Services Ltd.
Kemetco Research Inc.
Kerr Wood Leidal (KWL)
Kineteks Corporation
Kingston Process Metallurgy Inc.
Kinova
Kintama Research Corp.
Kirkland Lake Gold Inc.
Kluu Laanas Community Development Corporation
KnowCharge Inc.
Kodak Graphic Communications Company
Koolhaus Games
Kraft Canada
KW PowerLogic
La Barberie
Laboratoires Choisy Ltee
Lafarge North America
Lamton County Museums
Lancaster Sheet Metal
Lanxess Inc
Larco Investments
Larus Technologies Corporation
Lawson health research institute
LEHOO Software Inc.
L'Entreprise octoderma inc
Les Logiciels Radio IP
Les Producteurs laitiers du Canada (PLC)
LGL Limited
Light-Based Technologies Inc.
Linxoft Solutions Inc.
Lisaak Forest Resources
LiSI Therapeutics
Litens Automotive
Locarna Systems
London Hydro Inc.
London Life Insurance Company
Lufa Farms Inc.
Luzchem Research Inc
M.A. Steelcon Engineering Limited
MacDonald, Dettwiler & Associates Ltd.
Magnum Integrated Technologies
Maison Alouette
Manitoba Cattle Producers
Manitoba HVDC Research Centre
Manitoba Hydro
Manning Cooper and Associates, Ltd.
Manufacturing Automation Laboratories
Maple Leaf Consumer Foods
Mapleridge Capital Corp.
MapleSoft
Maritime Paper Products Limited
Mark Anthony Group
Mark Betteridge & Associates MBA Inc.
MarketLink Scientific
Marksman Celljet Inc.
Martin Mills Inc
Matrix Biomedical
MC Forêt inc.
McCoy (Drilling and Completions)
McKesson Medical Imaging Group
McMillan-McGee Corp.
MDA Systems Ltd
MDIT Innovations Inc.
MEA Forensic
Measurand
Medavie Blue Cross
MediaBadger
Medtronic of Canada
MedVoxel Systems Inc.
Merck Frosst Canada Ltd.
Merriam School of Music
Mespere Lifesciences
Metaara Medical Technologies Inc.
Metabacus Inc
MGS Horticultural Inc
M-health Solutions
Millen Farms
Mindset Social Innovation Foundation
Minicut International
MIRA Geoscience
MIRARCO
MIRCOM
Mobidia Inc.
Mod7 Communications Inc.
ModiViz Business System Modeling Solutions, Inc.
Monteco .
Monteris Medical
Moose Productions
Morgan Solar Inc
Motor Coach Industries
Multi Magnetics Inc.
Munich Reinsurance Compay
Musculoskeletal Innovation and Product Development Centre
Musselwhite Mine
Myca
MyTrak

Nalcor Energy
Nalcor Energy Company
National Arts Centre
Nature Conservancy
Nature's Crop International
Nautel Limited
Nautilus International
NCK Engineering Ltd
Neo Material Technologies Inc.
NeoVentures Biothechnology Inc.
NeuroKinetics Health Services (B.C.) Inc.
New Age Robotic & Control Inc.
New City Ventures
New Energy Corporation
New Energy Farms
NewLab Life Sciences Inc.
Newmerical Technologies Intl.
Nex J Systems Inc.
Nexa Inc.
Nexus Communications Inc
Niagara Waste Systems
Nigaluk
Nokia Products Limited
Norbord Industries Inc.
NORPAC Controls Ltd.
North American Rectifier
Northern Radar Inc
Northern Therapeutics, Inc.
Nostral
NOVA Chemicals
Nova Scotia Fruit Growers' Association
Nova Scotia Power Inc. (NSPI)
Novelis Global Technology Centre
nQube Technical Computing Corporation
NT Temps
Nuclear Waste Management Organization
Nutreco Canada Inc
Nüvü Caméras Inc.
OASIS
Ocean Nutrition Canada Ltd.
Ocean View Hotel and Restaurant
Oceanic Consulting Corporation
Octane Orthobiologics Inc.
Octothorpe Software Corporation
Offsetters
Okanagan Indian Band Economic Development Corporation
Omega Optimisation
OMISA Inc.
Oncotek Drug Delivery Inc.
Ontario Apple Growers
Ontario Asparagus Growers Marketing Board
Ontario Automotive Recyclers Association
Ontario Cattlemen's Association
Ontario Commerical Fisheries Association
Ontario Power Generators (OPG)
Ontario Snow Resorts Association
On-Tech Fiber Specialities
OODA Technologies Inc.
Opalux Inc.
Open Options Corporation
Optemo Technologies Inc.
Optima Health Solutions International Corporation
Optimal Solutions Ltd.
Organic Meadow Co-operative Inc.
Organic Ocean Seafood
Ostrom Outdoors
Oticon Canada
Ottawa Hospital Regional Imaging Associates (OHRIA)
Pacific Blue Cross - BC Life
Pacific Prawn Fishermen's Association
PacifiConnections
Paconia Research Corporation
PairCoach Enterprises Inc.
Paracel Laboratories
PARISH Geomorphic
Parmalat
Patheon Inc.
Pavlov Consulting Inc.
PCI Geomatics
PDFTron Systems, Inc.
Pearson Canada Inc.
PeerFX Inc.
Perceptronix Medical Inc.
Petro-Canada
Petroleum Research Atlantic Canada
Pfizer Canada Inc
Pharmascience
Philip Beesley Architects Inc.
Philips Healthcare Canada
Phoenix Technologies Inc.
Physical Plant Improvements Inc
Phytronix Inc.
Pinchin Environmental
Pinnacle Rehabilitation
Planet Car Inc
Plurilock Security Solutions
Pocket Pixels
Polyair Canada Limited
Prata Technologies
Pratt & Whitney Canada
Pravala Inc
Precision Therapeutics Inc.
Prevtec Microbia Inc.
Primal Fusion Inc.
Protagenic Therapeutics Canada
Proteins Easy Corporation (PEC)
Pulse Energy
Purple Rain Farms Ltd.
Pyramid Farms Ltd
Pyrogenesis Canada Inc
Pyxis Technologies
Q1 Labs
QNX Software Ltd
Quanser Consulting
Quarry Integrated Communications
Quillsoft Limited
R2 Financial Technologies
Raincoast Outfitters Ltd
Rainforest Automation Inc.
RANA Respiratory Care Group
Raven Minerals Corporation
Reactech Process Development Inc.
Read Jones Christoffersen Ltd.
Real Risk Inc.
Recon Instruments Inc.
Regional District of Bulkley-Nechako
Reliance Home Comfort
Research in Motion
RevenueWire Inc.
Revolution Linux
Richfield Ventures Corporation
Rio Tinto - Alcan
Risk Sciences International
Rocket Builders Canada Ltd.
Rogers Communication
Rohm & Haas Canada LLP
Rolls-Royce Canada
Rothsay, Maple Leaf Foods Inc.
Royal Bank of Canada
Royal Canadian Mint
RTDS Technologies
S&P Durable Enterprises Inc
Sandvik Mining and Construction Canada
SAP Business Objects
Saskatchewan Broiler Hatching Egg Producers
Saskatchewan Masonry Institute Inc.
Saskatechewan Pork Development Board
Satlantic Inc.
SBSA Experts-conseils en structure
SBV Canada
Scalable Analytics Inc.
Schiphorst Consulting
Schlumberger Canada Limited
Schwartz Chemicals
SciMed Technologies Inc
Scisense Inc.
Scotsburn Dairy Group
Seaside Suites and Restaurant
SegmentSoft Inc.
Semacode Corporation
Sempa Power Systems Ltd.
Senstar-Stellar Corporation
Sentinelle Medical
Sereca Fire Engineering
Sernova Corp
SF Marketing
Shaggy Frog Software Inc.
Sheppard's Bed and Breakfast
Sibley & Associates Inc
SideStix Ventures Inc.
Sifto Canada Corp.
Sigma Analysis & Management Ltd
Sigma Assessment Systems Inc.
Sinclair Technologies Inc.
Singular Software Inc.
SinoVeda Canada Inc.
SIRACOR
SIRADEL Canada
Sirius Genomics Inc.
SJ Geophysics Ltd.
Sky Research
Small Energy Group
Smart Labs Ltd.
Smart Rotor Systems Inc.
SmartSimple Software Inc.
SmileSonica Inc.
Smith and Nephew
SMT Research Ltd.
Smuq'wa Development Corporation
SNC-Lavalin Group

Snowbush, a division of Gennum
SOC Robotics
SoftAlive Inc.
Softree Technical Systems
SolAero Ltd.
Soligsoft Inc.
Something Simpler Systems
Space Maintainers Laboratories
Spark Robotics Technology Inc.
Spatial View Inc.
Spectrum Resource Group Inc.
Spectrum Scientific
SpeechBobble Inc.
Spielo
Spongelab Interactive
Sporometrics Inc.
Springwell Nutrition Group, Inc.
SSQ Financial Group
Stantec Consulting
Starworks Packaging (Development Disabilities Association)
StemCell Technologies
Sto:lo Research and Research Management Centre
Strategic Mineral Ltd.
SubOceanic Sciences Canada Ltd.
Sugar Hill Inn
Sumac Community Worker Coop
Summitholm Holsteins
Sun Life Financial
Suncor Energy Services Inc.
Sunnybrook Health Sciences Centre
SunOpta BioProcess Inc.
Sussex Research Laboratories Inc.
Sustainable Employment Network Inc.
SWITCH Materials
Sykes Assistance Services
Syncrude Canada Ltd
Synetix
Syngenta Canada
Syngrafil Corp
Synopsys Inc
Synthes Canada Ltd
Systemes Canadien Kronos Inc
Systex Engineering Inc.
TD Securities
Teck Resources Limited
Tecnolub System Inc
Telus Communications
TELUS Health Solutions
Tembec Inc.
Teradici Corporation
TerraNotes Ltd. Geophysics
Thales Canada Inc.
The Halifax Group
The Narmco Group
The Pressure Pipe Inspection Company Ltd.
The Sansin Corporation
The Victoria Times Colonist
Therapeutic Monitoring Systems Inc.
Theratechnologies
Thermal Electronics Corporation
Thermetco
Thermo Fisher Scientific
Thoora Inc
Threewave Software
Thrifty Foods
Tiller Engineering Inc.
Tim C. Van Horlick Forestry Inc.
Timefess Medical Systems
Timofejew & Associates
Tirgarvil Capital
Titan Logix corp
TK'emlupsemc Forestry Development Corp.
Tla-o-qui-aht Economic Development Corp.
The Land Conservancy (Enterprises) Ltd.
TODA advanced Materials Inc
Toiture Mauricienne
Tolko Industries Ltd.
Tornado Medical Sysems
Toronto and Region Conservation Authority (TRCA)
Toronto Hydro
Toronto Rehabilitation Institute
Toronto Transit Commission (TTC)
Toshiba Medical Systems Canada
TransAlta
Translink
Triton Consultants Ltd
Trojan Technologies
Trow Associates Inc.
Trusterra Technologies
Turquoise Technology Solutions Inc.
Tyromer Inc
Tyze Personal Networks Ltd.
Ultra-Span Technologies Inc.
Union Gas Limited
United Fishermen and Allied Workers Union
Unitron Hearing Ltd.
Unity Integration Corporation
Universal Dental Laboratories Ltd.
Universal NanoSensor Technologies
Urban Systems
Utilities Kingston
Vale Inco
Validus Research Inc
Vallée Inc.
Van Rob
Vancity Savings Credit Union
Vancouver Economic Development Commission
Varian Medical Systems
VEMCO
Venmar CES Inc.
Vennsa Technologies Inc.
Verafin Inc
VeriCorder Technology, Inc.
Veridae Systems, Inc.
Vestec Inc
VIATeC
Vicicog
Vidigami Media, Inc.
ViewsIQ Inc.
Virage Simulation
Vista Solutions Inc.
Visual8 Corporation
Vive Nano
ViVitro Labs Inc
Wallbridge Mining Company Limited
Water Resources
Watershed Watch
waveDNA Inc.
Wesley Clover
West Fraser Timber
West Moberly First Nations
Westport Innovations Inc.
Weyes Eyes, Inc.
Wharton Medical Clinic & Weight Management Centre
White Birch – Masson Mill
WhoThaMan Media Company
Williams Form Engineering Corp.
Willis Energy Services Ltd.
Wine council of Ontario
WireIE Holdings International Inc.
Wirespeak|Technology services Strategy & Research
Withwonder Entertainment Inc.
Worio
World Star Tech
Wurldtech Security Technologies Inc.
Wynford
Xerox Research Centre of Canada
Ximaera Technologies Canada
XIRIS Automation Inc.
XLR Imaging
XMG Studio Inc.
Xogen Technologies
Xstrata
Yield Energy
Zephyr Alternative Power Inc.
Zephyr North Ltd
Zeros 2 Heroes Media
Zymeworks Inc.

Appendix F: Mitacs Media Coverage in 2011

Vancouver Sun, Sept 20, 2011 *"Roll Out the Red Carpet for Foreign Students."* Op-ed by Mitacs CEO Dr. Arvind Gupta.

"A national strategy on international education will help solve the looming labour shortage while producing immediate economic advantages. BC is in a strong position to take leadership. The short-term and long-term benefits to the economy and our ability to solve our demographic challenges make it in our best interest to get it right."

The Times of India (Jaipur). Sept 19, 2011. *"Going International."*

"The DAAD's Working Internship in Science and Engineering and Mitacs' Globalink... specifically target bright Indian students from select universities for research internships in Germany and Canada respectively, providing them with full scholarship with an aim to attract them for higher studies. They see these students as their brand ambassadors, who would spread the word among their peers. It is a word-of-mouth publicity strategy. Universities see India as a big market and our students are in an unprecedented demand."

US Chronicle for Higher Education, Sept 7, 2011 *"Canada Prepares Young Researchers for Nonacademic Careers."*

"For young doctoral students in Canada, acquiring professional skills is increasingly essential. The supply of postgraduates outstrips the demand for full-time academics, and many students find themselves eyeing alternative careers in industry, government, or the not-for-profit sector. New training programs have sprung up in the past few years, with more on the way, designed to give them professional skills, such as communication, leadership, and intellectual-property management, for careers in industry, government, or academe...

One measure of the demand for such skills training is the growth in workshops, internships, and seminars offered by Mitacs, a national organization financed by government and industry to recruit, train, and deploy graduate students for the Canadian economy. In 2010, Mitacs offered a broad suite of programs to 3,000 graduate students, up from modest offerings in 2005."

Le Devoir. Sept 3, 2011. *"À qui profite la chasse aux cerveaux? Entre le transfert de connaissances et le vol des forces vives, la ligne peut être mince."*

"Vinayak Vadlamani est un jeune Indien de 22 ans étudiant à l'University of Petroleum and Energy à New Delhi. C'est aussi ce qu'on pourrait appeler un «cerveau», l'un des plus prometteurs de sa génération. Avec 32 de ses compatriotes, il a été recruté, à l'issue d'un rigoureux processus de sélection, pour participer au programme Globallink, orchestré par Mitacs, une entreprise qui favorise les liens avec d'éminents chercheurs canadiens et inter nationaux et les industries d'ici.

"La version québécoise de ce programme, qui s'étend dans huit provinces canadiennes sur dix, permet à des jeunes de suivre un stage d'été toutes dépenses payées et de goûter à la vie universitaire et la recherche dans un domaine de pointe dans l'une des quatre universités montréalaises. «On est beaucoup sollicités par des universités, surtout aux États-Unis. J'ai posé ma candidature à plusieurs endroits, dont l'Université de Toronto, mais ce qui correspondait le mieux à mes intérêts de recherche [l'ingénierie spatiale et l'aérodynamique] se trouvait à Montréal», dit M. Vadlamani, précisant qu'il est finalement très heureux d'avoir passé l'été ici."

Le Devoir. Aug 26, 2011. *"À l'école de la "vraie" vie."* Front-page article on Step in Québec.

"Après de nombreuses années d'isolement dans le milieu scolaire, les étudiants aux doctorat et postdoctorat ont souvent bien besoin d'un coup de pouce pour s'intégrer au marché du travail. Pour la première fois au Québec, trois campus montréalais leur offrent une formation, allant des cours d'étiquette à la gestion de projet. L'école de la vraie vie, quoi!

"...Et c'est parce que les universités se soucient du placement de plus en plus difficile de leurs étudiants au doctorat et de leurs stagiaires postdoctoraux qu'elles ont voulu offrir gratuitement une formation de trois jours visant à faciliter leur recherche d'emploi, qui se termine d'ailleurs aujourd'hui avec une séance de réseautage avec des futurs employeurs du milieu des affaires. Organisée par Mitacs, une entreprise qui favorise les liens entre le milieu universitaire et les sociétés, cette école d'été aura permis à près de 180 étudiants du 3e cycle de développer des

compétences transversales comme les relations interpersonnelles, la communication et la gestion de projet. De l'écriture d'un bon curriculum vitae jusqu'à l'habillement en entrevue, en passant par l'étiquette dans la correspondance par courriel et le développem ent de l 'intelligence sociale, on y enseigne tout pour naviguer dans cet univers complexe qu'est le marché du travail."

Sing Tao, Ming Pao, World Journal, August 18, 2011. *"18 Chinese Top University Students Take Part in Internship in Vancouver."*

The Indian Express, July 29, 2011. *"Indian Students Take Summer Internships in Canada."*

"Several unversity students from India came to Canada under a federally-funded program to participate in a three month internship program in the country. The Mitacs Globalink program facilitated around 150 students from various universities in India including the Indian Institutes of Technology, to intern at several Canadian universities. While in Canada, around 15 students, many of them from various IITs, were hosted by IIT Alumni Canada (IITAC) ata luncheon held at the Payal Banquet hall in Mississauga...

"The students networked and interacted with IITAC and talked briefly about the projects they had been working on while in Canada that ranged from cyber security, medical imaging and astrophysics amongst others...

""The Mitacs-sponsored students are not only a credit to their institutions back in India, but are also a critical link for Canadian participation in building better academic and research relationships between Canada and India," said S. Venkatesh [president of IITAC]."

The New York Times, July 19, 2011. *"Surge in Number of Indian Students Heading to Canadian Colleges."*

"...As part of its effort to showcase the variety of academic programs, Canada has launched a program [Globalink] for Indian students to complete three- to four-month paid research internships at leading Canadian universities. In 2010, 105 students from the prestigious Indian Institutes of Technology were chosen for the all-expenses-paid program. They travelled to British Columbia, Ontario and New Brunswick to conduct research.

"Ms. Bowkett [Assistant Director for international relations at the Association of Universities and Colleges of Canada] said the positive experience of these elite students has been a huge image booster. "The program exposes them to faculty and facilities, and those students are going back to India and it spreads like wildfire by word of mouth when they go back.""

Montreal Gazette, July 13, 2011. *"Industry-university co-operation is key to better research climate."* Op-ed by Aftab Mufti (Associate Scientific Director, Mitacs), Rose Goldstein (VP (Research and International Relations), McGill University) and Denis Desbiens (VP (Québec), IBM Canada) -also published in **Le Devoir**, July 24, 2011 as "Croissance dans l'économie du savoir: entre trop de frilosité entre entreprises et universities."

"There is an innovation gap in this country. It falls between the research and commercialization stages. By combining our talents, the gap can be closed and innovative solutions will be found for industry challenges. Smart people working directly with other smart people is the key. Many of the best breakthrough ideas start in academia because Canadian universities do two things incredibly well: they graduate highly talented members of the workforce, and they produce amazing "basic" research. Industry, on the other hand, has the mindset needed to take new ideas and commercialize them...

"Both industry and universities need to start seeing themselves as part of the same research continuum. By working together, companies and universities can effect positive change for the research climate in Canada.

"More and better bridges, connecting the worlds of academia and industry, need to be built. Dialogue needs to take place between these groups in partnership with government to ensure that programs are in place to facilitate collaboration.

"Canada's future growth and prosperity lie in the development of a vigorous knowledge economy. If that is to occur, we need our universities and industry to work more closely together so that Canada competes successfully on the world stage."

Global TV Lethbridge, July 8, 2011. Feature on Mitacs Globalink students at University of Lethbridge.

"These are the brightest and best students in India, they come over here to look at going to graduate school, and we're so excited to be able to have an opportunity." Hon. Greg Weadick, Minister of Advanced Education and Technology.

Edmonton Sun, July 6, 2011. *"Indian student wowed by Edmonton opportunities."*

"Programs such as Globalink help position Alberta as a world-leading research and innovation destination," said Greg Weadick, minister of advanced education and technology. "We are thrilled to host these young inter-national leaders in Alberta." Alberta has provided $375,000 towards the program."

Omni TV Alberta South Asian Edition, July 4, 2011. Feature on Mitacs Globalink Students at University of Alberta

""If we make those connections more direct, there's a win-win situation: win for the students and win for the institution and the professors because we like to work with talented students" – University of Alberta Professor

The Globe and Mail. June 27, 2011. *"Canada seizing a 'market moment' in recruiting students from India."*

"In Canada's attempts to reach around the world to build ties to emerging powers, one of the most important initiatives is coming from Canadian universities lured by the pot of gold in India's millions of bright young students.

"Vast numbers of young Indians demanding a middle-class lifestyle and university education face a shortage of quality schools in their own country. And while Canadian universities were slow off the mark a decade ago, they are now rushing to recruit those students, to create joint study or research programs with universities in India, and even build campuses there...

"That's if Indian students actually know those Canadian universities exist.

"Vaibhav Agarwal, a bio-engineering student at the Indian Institute of Technology in Kanpur, came to the University of British Columbia for a summer internship offered through the non-profit research organization Mitacs, because teachers told him of a hidden gem. "They said Canadian universities are doing some good research, but the only thing is that they are not very much publicized," said Mr. Agarwal, 22."

Thunder Bay Chronicle-Journal, June 22, 2011. *"Mitacs connects academic students with industry partners to gain real-life research experience."*

"[*Accelerate*] is a program that will help promote Canadian research, said project coordinator Dr. Javaid Iqbal, PhD, who is spearheading the internship program at the TBRRI [Thunder Bay Regional Research Institute]. "Canada spends a lot of money on research but the output is behind others like the United States," he said, adding that the strength of the program is that it brings together academic, research, and industry partners. "We, as an organization, believe and support academic-industry partnerships and collaborations...

"The program will have significant benefits right here in Thunder Bay, he said, as the TBRRI brings in more researchers – and research dollars – to the city. "Mitacs will provide us an opportunity to enable new partnerships and collaborations," Dr. Oqbal said. "This program is important for the people working in our discipline, as well as graduate students at Lakehead University and local companies."

University Affairs, February 7, 2011. *"One + One = Success"*. A feature article on Mitacs.

"How to stem that age-old trend? Lecturing industry hasn't worked... But it seemed to Dr. Gupta and his colleagues that if Canadian industry – and especially small- and medium-sized enterprises – could see tangible, bottom-line benefits from integrating science into their operations, they might find it worthwhile to provide the opportunities that would keep the vanishing students at home... Enter Accelerate."

Surrey Delta Leader, February 5, 2011. *"Psyched on video – research aids design"*.

"Having the opportunity to work with someone like Veronica and the skill set that she can bring opens up so many design opportunities to make our games even better, from front end menu design to the in-game engagement levels," says Paul Newton, Zammitto's Accelerate supervisor at EA."

Appendix G: A Pressing Need for Human Capital Development in Canada

(Adapted from the Mitacs submission to the House of Commons Standing Committee on Finance for Consultations on the Federal Budget 2012)

Human capital – the combined skills, knowledge, and training of the workforce – is the foundation of modern economies. For too long, Canada has lagged its economic peers in human capital development, and has fallen behind in measures of productivity and innovation. Now, we are faced with a rare and significant opportunity. Through a combination of good fiscal management and historical circumstance, we find ourselves with a robust economy and solid political leadership. This is our opportunity to leverage these advantages to close the innovation gap with our economic peers.

The relationship between Human Capital and Innovation

Human capital represents the sum of a population's skills, knowledge, and training. Rapid technological change and the evolution of the knowledge economy means there is growing demand for the highly-skilled and highly-trained workers who form the foundations of innovative economies. Development of human capital is therefore a priority concern for countries worldwide, and for good reason:

- Education improves the quality of labour and economic performance, and is associated with better health and happiness and other social benefits like lower crime rates and greater social engagement [i];
- Investment in human capital is three times as important to economic growth as investment in physical capital, such as machinery and equipment [ii]; and
- More than half the differences in economic growth between economies can be explained by differences in the average skill level of their workers [iii].

Development of a highly-skilled and highly-trained workforce is essential to the growth and long-term sustainability of our economy. Unfortunately, Canada has fallen further behind comparable economies in this area; to keep pace, we will need a significant increase in the number of highly-skilled graduates we currently produce, especially those holding advanced degrees (Masters and PhDs), and we need these to be properly equipped to contribute across the economy:

- Canada has a serious productivity problem. Relative labour productivity in Canada has fallen from more than 90% of US productivity in 1984 to about 76% in 2007, and ranked 15th out of 18 peer countries in the OECD. This productivity slide has been blamed on a *"relatively weak commitment to training and skills development compared to some of its key trading partners"* [iv];
- In 2003, Canadian firms spent only $834 per employee on training (1.55% of payroll), while US firms spent $1,135 per employee (2.34%). And Canadian spending on education relative to the US has fallen from roughly equivalent in 1996 to $800 less per capita today [v,vi]; and
- Countries with a high PhD graduation rate also rank highly on business expenditure on R&D (BERD). Countries with a low proportion of BERD – Canada, Netherlands, and Italy for example – have below-average PhD graduate rates. Switzerland, Sweden and Germany, countries that rank high on patents – often a surrogate for innovation – also have a high PhD graduate rate. Canada ranks 14th out of 17 countries on patents by population, and ranks last in PhD graduate rate [vii].

The shape of Canadian Human Capital, today and tomorrow

The shortcomings listed above will have serious and severe consequences. Numerous sources decry the coming skilled labour shortage in Canada:

- Canada ranks 23rd among OECD countries in new PhD graduates per capita, ahead of only Japan, Turkey and Mexico, and is producing relatively fewer PhDs in Science, Technology, Engineering, and Mathematics (STEM) disciplines that drive innovation and discovery. OECD countries increased the number of PhDs

awarded annually by 40% between 1998 and 2006. Canada increased by only 13% in that time , though there are indications this trend may be reversing [viii,ix,x,xi];

- There is an increasing mismatch between the supply of unskilled workers and shortage of skilled labour in Canada. A conservative model predicts that by 2016 there will be almost 450,000 unskilled workers who will not qualify for skilled vacancies. The number of skilled vacancies may grow as high as two million by 2031 [xii];
- According to the AUCC, there will be roughly 1.3 million more jobs for university graduates in 2020 than there were in 2010, as well as 700,000 to 900,000 jobs replacing those who retire in the next decade [xiii].

Canada faces the additional challenge of an aging population and a declining birth rate. A combination of effective skills training programs must be combined with effective, targeted immigration policies and programs to meet this challenge. International education is an attractive vehicle to accomplish both skills training and recruitment of exceptional international talent. While Canada has many advantages that we can leverage – an immigrant-friendly culture and a high quality of life – we still fall well behind the leaders in attracting these students. Recruitment of the best and brightest students will have enormous benefits to Canada:

- There were 2.8 million international students worldwide in 2007. There are expected to be 7.2 million by 2025, a 5.4% annual growth rate [xiv];
  - A Canadian study found that international students injected $6.5 billion into the Canadian economy in 2008, surpassing exports of coniferous lumber and coal in economic value. These students generated $291 million in government revenues and supported jobs for 83,000 Canadians [xv];
  - The Canadian Competition Review Panel recommends a goal of doubling the number of international students in Canada within a decade [xvi];
- By the end of the 1990s, 29% of Silicon Valley companies were run by Chinese and Indian engineers, accounting for $19.5 billion in sales and more than 70,000 jobs. As well, 25% of technology and engineering companies started in the US between 1995 and 2005 had at least one immigrant as a key founder. These companies grossed $52 billion in sales and employed 450,000 people in 2006 [xvii,xviii,xix]; and
- Immigrants account for 24% of US patents, but only 12% of the general population. An increase of 1% in college-graduate immigrants is estimated to result in an increase of 6% in patents per capita [xx].

Industry partnership in advanced training to boost sustainable, high-quality jobs for Canadians

Industry-academia cooperation in design and delivery of training programs confers numerous benefits: it ensures training programs are relevant and valued while increasing industrial receptor capacity for our best and brightest graduates. It also increases innovation directly through increased industrial R&D spending, both in the short and long term. This is an important side-effect, since Canadian industry lags its OECD counterparts in business expenditures on R&D, even though Canada leads the pack in several measures of academic productivity. Programs and policies that encourage greater cooperation between industry and academia in skills training should be encouraged:

- Countries are increasingly incorporating internships into graduate training. 68% of PhDs in Netherlands participated in internships during the course of study, 55% in Germany, 30% in Spain, 23% in the UK, and 22% in Italy. At current levels of support, an expected 7% of Canadian PhDs will perform internships [xxi,xxii];
- In 2003-04 (the most recent year available), 74% of Canadian PhDs had definite plans following graduation; of these, only 56% had definite employment. This contrasts with 65% of American PhDs who had definite employment. Canadian firms also tend to pay PhD graduates less than their American counterparts. This is an especially worrying trend as the availability of university faculty positions declines: in 2007, Canadian universities awarded 4,800 doctorate degrees but only hired 2,600 new full time faculty [xxiii,xxiv,xxv];
- Retention of Canadian graduates requires increased job opportunities post-graduation:
  - Only 1/3 of international students remain in Canada upon completion of their studies, whereas 71% of international students remain in the US after completion (up from 49% in 1989) [xxvi,xxvii];

- 21% of 2005 doctoral graduates intended to leave Canada upon completion of their degree and most of them (57%) planned to move to the United States. Roughly 1/3 of Canadians with PhDs in STEM disciplines lived in the US in 2007 [xxvii,xxix]; and
- 80% of Canadian PhDs in the US intend to return to Canada if they can find appropriate opportunities [xxx].

Recommendations

Increase support for industry-partnered R&D skills-training programs for Canadian post-secondary students and graduates.

Given the ever-changing needs of a rapidly evolving innovation economy, skills training programs in Canadian PSEs (universities, colleges and polytechnics) should be designed and delivered with full partnership with industrial partners, who must make real and significant investments in training programs. Programs should be true partnerships that are "win-win" for industry and academia.

An increasing number of countries are developing effective industrial research and management skills through industrial internships. Interns gain on-site training and experience through a collaborative research project between an academic supervisor and an industrial partner. Industrial partners contribute substantially to the program financially, mentor students, and co-supervise the research project with the intern's academic supervisor; in return, the industrial partner can apply academic expertise to solve a research challenge. Canada's *Industrial R&D Internship (IRDI)* program, delivered almost exclusively through ***Mitacs Accelerate***, has shown the exceptional value of such a program. A federal investment of $16 million has supported 2,700 internships across Canada since 2008, and has been leveraged by additional investments of $40 million from industrial partners and $17.5 million from nine provinces. The program has been an unmitigated success with a 27% increase in retention of graduate students in Canada, and an excess of demand from trainees, academics and industry.

We can build on the success of industrial internships to address the increasing challenges faced by Canadian post-doctoral fellows, our most highly-trained individuals. ***Mitacs Elevate*** provides Canada with an "off-ramping" strategy involving industrial partnerships to create opportunities beyond the academic track. Industrial internships should be supported to help these talented and highly-trained individuals transition into non-academic careers in industrial R&D, management, or entrepreneurship, where they will become Canadian innovation leaders.

Finally, industrial-academic cooperation can also help expand entrepreneurship skills training for highly-trained and highly-skilled Canadians. ***Mitacs Enterprise***, a national entrepreneurship program that involves internships and mentorship by high-growth SMEs, helps weave entrepreneurship learning into undergraduate and graduate students' course of study, ensuring students understand the "ideas to market" pipeline as they become technically proficient.

Outcomes:

- Significantly increase the industry-readiness of highly-qualified graduates, providing skilled workers prepared to meet industrial research and development challenges across all sectors;
- Increase collaboration between industry and academia and support high-quality research at Canadian firms;
- Increase business expenditure on R&D, resulting in an increase in high-quality, sustainable jobs;
- Increase industry demand for highly-trained Canadian graduates; and
- Leverage industry funding for R&D through academic collaboration.

Increase support for business and soft skills training, better preparing our Masters and PhD students for non-academic careers.

Advanced study at the Masters and PhD level provides trainees with exceptional technical skills and specialized knowledge that contributes significantly to Canada's innovation capacity. However, according to the Canadian Association for Graduate Studies (CAGS): "*to be competitive, graduate students increasingly need to*

engage in ongoing development of their skills in areas that complement their academic programs, enhance their employability, and foster linkages with the private, public and not for profit sectors". [xxxi]

Mitacs Step is a system-wide national program to provide a broad range of business skills alongside the highly-specialized technical skills of a traditional post-secondary education. *Step* significantly improves the job-readiness of our graduates, thus improving business productivity. Such a program would certify students who had completed a set of business skills and soft skills courses in industry-relevant subjects such as project management, communications, critical thinking, and teamwork. These courses would also support entrepreneurship initiatives by providing training in subjects essential for starting a business, covering subjects such as business plans, financing strategies, and intellectual property.

Outcomes:

- Equip our graduates with a suite of non-technical skills to complement their technical training; and
- Encourage and support entrepreneurship among our most highly-skilled graduates.

Support programs and policies to attract the best and brightest international students to Canada.

While a significant increase in the production and deployment of domestic skilled workers is a national imperative, it is clear that the overwhelming needs of the future labour market growth will require an expansive immigration policy targeting highly skilled workers. It is essential that Canada implements policies and programs to attract exceptional international students to our universities. The government's investment of $10-million over two years in the *New International Education Strategy* marks a positive start; building on this initial investment with increased and sustained funding will allow Canada to recruit the world's best and brightest.

An effective international student recruitment strategy should balance international marketing and education fairs with proactive programs like ***Mitacs Globalink*** to directly target exceptional students. While increasing the overall number of international students is clearly necessary, we should focus on programs that attract high-calibre students, as these students will have a disproportionate effect on Canadian innovation. On-the-ground recruiting efforts, summer internship programs for promising international students, and scholarships and incentives for graduate study should all be evaluated for effectiveness and extended where appropriate.

Outcomes:

- Increase the number of exceptional international students who choose Canada as a place to study and perform world-class research;
- Expand the pool of highly-skilled and highly-qualified human capital for Canadian industry, thereby improving Canadian productivity and competitiveness; and
- Improve international networks for Canadian research and Canadian industry.

Conclusion

Canada's financial position presents a unique and important opportunity to achieve transformational change in the development of Canadian human capital. Through wise and targeted investments in proven and effective training programs, Canadian industry will be supported by a world-class workforce, placing Canada in a leadership position among innovative economies.

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BRITISH COLUMBIA

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Dr. Arvind Gupta, CEO and Scientific Director
Mitacs Inc.
Suite 301, Technology Enterprise Facility
University of British Columbia
6190 Agronomy Rd
Vancouver BC V6T 1Z3

Dear Dr. Gupta:

I am pleased to advise that the Ministry of Advanced Education will provide Mitacs with a one-time contribution of $3,000,000 to support Mitacs Globalink and Mitacs Accelerate programs. A cheque will follow under separate cover.

The funding for Mitacs Globalink of $700,000 is to support international students participating in research internships at British Columbia universities, contributing directly to the international education targets in *Canada Starts Here: The BC Jobs Plan* and the Province's efforts to increase internationalization of our education system. The Mitacs Accelerate funding of $2,300,000 is to support British Columbia and international students undertaking their graduate education in British Columbia who are participating in internships with industry. Further, the Mitacs Accelerate funding is to be directed to supporting the priority economic sectors outlined in *Canada Starts Here: The BC Jobs Plan*.

By March 31, 2013, Mitacs is required to report back to the Ministry on the number of recipients, their province/country of origin, field of study and/or research project, British Columbia post-secondary institution host, and participating British Columbia company (where applicable), supported by this funding.

The Ministry feels cooperative efforts around public communications will maximize the benefits to your organization. I respectfully request that you defer any media releases until our joint efforts can be formalized.

Please have your staff contact Ms. Joanne Whittier, Communications Manager, of our Government Communications and Public Engagement, by phone at (250) 952-6400 to arrange for an opportunity to publicly announce funding for this project.

... /2

Ministry of Advanced Education
Office of the Deputy Minister
Mailing Address: PO Box 9884 Stn Prov Govt Victoria BC V8W 9T6
Telephone: 250 356-5170
Facsimile: 250 356-5468

I appreciate the contribution of Mitacs to the province's research and innovation capacity, and your commitment to providing exceptional opportunities for students.

Yours truly,

Cheryl Wenezenki-Yolland, CMA, FCMA
Deputy Minister

pc: Ms. Deborah Rasnick, A/CFO and Executive Director
Post-Secondary Funding and Corporate Finance

Ms. Joanne Whittier, Communications Manager
Government Communications and Public Engagement

Progress Report

In March 2012, Mitacs and the Ministry of Advanced Education extended their partnership in support of the BC Government's commitment to maintain provincial prosperity in today's knowledge economy by supporting advanced research and developing a highly educated and skilled workforce. The Government's investment of **$3 million in this project has been leveraged into a $10 million project** with $2.7 million from the federal government, $2.1 million in direct industry investment, and $2.2 million of in-kind support.

Specifically, the BC-Mitacs partnership objectives were to:

- Support the ***BC Jobs Plan*** by helping to build a **modern workforce with long-term jobs** that match cutting-edge knowledge with practical skills;
- Increase **industry investment** in research and innovation;
- Support **high-quality jobs** and entrepreneurship;
- Encourage the **recruitment and retention** of highly-trained and highly-skilled innovators and entrepreneurs;
- Leverage BC investments in **research, innovation, and training** with real and significant investments from private sector partners and the federal government; and
- Brand BC as a **world-leading jurisdiction** for research, innovation, and commercialization.

In 2012-13, **Mitacs supported a total of 348 Accelerate internships** in BC. These internships involved 233 interns at seven BC universities in partnership with 132 industrial partners. Of these 233 interns, Mitacs attracted approximately 30 students from outside BC to undertake internships with BC-based industry partners. Mitacs Accelerate is recognized globally as a model internship program, helping build BC's reputation as an international destination for post-secondary education. Mitacs' innovative programming is building demand for research excellence and development in BC that will result in increased skilled job opportunities. These numbers fluctuate slightly from Mitacs' preliminary report due to end of fiscal year reconciliations. In addition to valuable R&D experience gained through internships, students have the opportunity to gain business-ready skills through Mitacs' suite of Step **professional skills workshops**. Led by recognized industry leaders, interns acquire the necessary skill-set to make the transition from academia to industry. In 2012-13, Mitacs hosted 1,325 BC graduate students and postdocs at workshops that covered topics such as project management and presentation skills.

Interns represented a broad cross-section of academic disciplines, from the **science, technology, engineering and mathematics (STEM)** disciplines at the foundation of innovation to the **business and social sciences** that effectively contribute to its adoption and implementation. Mitacs' preliminary survey results show that, though most students are continuing their studies following their internship, 20% of graduates have been hired; it is anticipated that this number will increase as more students graduate. More than 80% of interns plan to stay in BC for further studies and career opportunities. Mitacs generally holds surveys two to five years after internship completion to see the medium-term effect of these partnerships. Based on past surveys, 94% of companies plan on either hiring their interns straight away or once positions become available.

Attracting the best and brightest since 2009, the Mitacs *Globalink* program has succeeded in showcasing the pivotal research offered by universities across Canada to over 500 international students from India, China, Brazil, and Mexico. The summer of 2012 was immensely successful for Globalink, with **64 of the world's top undergraduates brought to BC** to participate in research projects with leading researchers at BC's universities. Of the 2012 BC cohort, **32 Globalink students have applied for graduate studies in BC**, 50% of the 2012 BC cohort. Six of these students have already accepted Globalink Fellowships to return for graduate studies.

Strategic Plan

Several developments this year supported and extended the partnership between Mitacs and the BC government. In January 2012, Mitacs received **$8.75 million** in Western Economic Diversification funding to support programs across the western provinces. In British Columbia this represents a **$5.3 million** federal contribution to leverage Mitacs programs to the benefit of innovation in BC. This three-year federal investment will support Accelerate internship projects in industry and not-for-profits and to attract exceptional Globalink students.

On March 21st the federal government released ***Economic Action Plan 2013*,** allocating an additional $13 million over two years to deliver Mitacs Globalink. This increased funding will provide additional opportunities for international students to come to Canada for innovative research experiences, and will support innovative pilot initiatives. These include a program to send exceptional Canadian undergraduate students to participate in 12-week research projects in Brazil under the supervision of professors based at top Brazilian universities. This investment builds on the 2012 Budget commitment of $35 million over five years for Accelerate. The additional Accelerate support is being used in conjunction with provincial support to provide additional research internships and to expand the scope of Mitacs Accelerate through **Mitacs Accelerate Development internships**. These internships, funded by Industry Canada, will complement traditional Accelerate research internships by focusing on the development stage of the **industrial R&D process**. Accelerate Development internships create flexibility within the program for students to actively contribute along each step of the **industrial R&D chain**.

Mitacs has also negotiated a contribution agreement with **NRC-IRAP to provide 50% of the industry contribution** for SME internships in British Columbia. Through this agreement, **small and medium-sized companies were awarded support for 27 internships in 2012-13**. Partnering with NRC-IRAP promotes growth at small, high-growth BC companies through easier access to research expertise at BC universities.

In 2012, Mitacs launched a collaboration with the Ministry of Jobs, Tourism, and Innovation and the British Columbia Innovation Council to deliver a **commercialization voucher program** designed to demonstrate the value of industry/academic collaboration and development and to retain BC commercialization talent. Mitacs has also expanded its efforts to promote innovation in BC's priority sectors by joining the **BC Mining Human Resources Task Force**, which oversees and implements strategies to address the lack of qualified personnel within the mining industry.

This year, Mitacs increased its presence in British Columbia by hiring an **additional full-time Business Development Director based on Vancouver Island**. The BC Business Development team now involves four experienced professionals working across the province bringing together businesses and universities. Mitacs' **partnership strategy** with Canada's academic community continues to create strong collaborative relationships. In BC, seven research universities and institutions are represented at all levels of partnership. These partnerships create a closer working relationship between Mitacs and BC's universities and results in a streamlined approach towards industrial collaboration for our academic partners.

After coming to Canada for a summer English language camp in 2010, ***Barbara Paes of Universidade de Brasilia*** *was always looking for opportunities to return.* ***Mitacs' Globalink program*** *provided her with just that opportunity. Barbara's Globalink research project placed her in the* ***University of British Columbia's Brain Research Centre*** *investigating how the* ***development of brain neurons in tadpoles is affected by seizure episodes*** *– a study that has implications for children who suffer from epilepsy. While Barbara has not yet decided exactly what she would like to study, she does know she wants to* ***come back to Canada to study, work, and live****, and her Globalink experience has confirmed this desire.*

Mitacs by the Numbers

- Number of Accelerate internships: 348

Accelerate Internships by Sector	
Sector	
Automotive	2
Biotechnology	9
Commercial Services	16
Energy and Utilities	19
Entertainment and Media	19
Environmental Science and Technology	6
Finance and Insurance	4
Food and Agriculture	3
Health Care/Life Science	48
Manufacturing and Construction	14
Natural Resources	66
New and Digital Media	4
Public Service, Policy, and Governance	17
Sustainability/Environment	14
Technology	104
Other	3
Total	**348**

Accelerate Internships by Academic Disciplines	
Business	53
Computer Science	113
Earth Sciences	27
Engineering	53
Life Sciences	47
Mathematical Sciences	13
Physical Sciences	8
Social Sciences/Arts & Humanities	34
Total	**348**

*Sarah Kok, a **Simon Fraser University Masters' student**, is BC's latest Accelerate intern to find her career jump-started through her internship. In partnership with **Merck Frosst Canada**, Ms. Kok developed a system dynamics model of the continuum of care for HIV. Her preliminary results were presented and well-received at the **European Working Group on Operational Research Applied to Health Services Conference**. Ms. Kok is now employed by **Vancouver Coastal Health and the BC Centre for Excellence in HIV/AIDS** continuing research on this project.*

Accelerate Internships by Host Institution	
University of British Columbia	161
Simon Fraser University	84
University of Victoria	67
Dalhousie University	12
University of New Brunswick	7
Université de Montreal	4
Emily Carr University of Art and Design	3
Royal Roads University	3
University of Northern British Columbia	2
Vancouver Island University	1
University of Ontario Institute of Technology	1
University of Waterloo	1
Western University	1
Wilfrid Laurier University	1
Total	**348**

*UBC post-doctoral fellow, Josh Zaifman had the opportunity to partner with **AlCana, a Vancouver biotechnology company** to develop **lipid nanoparticles**, which show great potential as a new means for the targeted delivery of therapeutics. Through the opportunity to use university resources, AlCana was able to access **chemical synthesis and analysis equipment**, which were not available in-house at the company, as well as Zaifman's talents and expertise. In return, Zaifman benefited from numerous insights gained whilst working with AlCana employees, who have many years of experience making **novel lipid structures used in lipid nanoparticles** for clinical applications.*

- Number of Globalink Students Hosted: 64
- Number of Globalink Fellowships: 6

Globalink Internships by Academic Disciplines	
Business	0
Computer Science	18
Earth Sciences	0
Engineering	26
Life Sciences	14
Mathematical Sciences	2
Physical Sciences	2
Social Sciences/Arts & Humanities	2
Total	**64**

Globalink Internships by Host Institution and Country

University	India	Brazil	Mexico	China	Total
Simon Fraser University	6	3	0	6	**15**
University of British Columbia	20	5	1	9	**35**
University of Victoria	4	1	0	9	**14**
	30	9	1	24	**64**

Globalink Intern Applications for BC Graduate Studies

University	
Simon Fraser University	3
University of British Columbia	29
University of Victoria	0
Total	**32**

Total Step Workshops for 2012-13

Workshop Stream	Total Attendance
Communications	87
Project Management	463
Intellectual Property	169
Networking	251
Presentation Skills	153
Time Management	12
Technical Writing	69
Business and Dining Etiquette	22
Entrepreneurship	99
TOTAL	**1,325**

Appendix A: Financial Forecast for Fiscal Year 2012-13

Allocation of Province of BC Funded Expenditures

Accelerate	
Research support and stipend	$1,152,125
Business development and project management	$265,375
Training	$870,000
Administration	$345,000
	$2,632,500
Globalink	
Globalink internships: Student costs, Training, Industry networking and Program management	$390,000
Globalink fellowships	$120,000
Administration	$90,000
	$600,000
Total Province of BC Funded Expenditures	**$3,232,500**

Balance of grant as of March 31, 2013

	Amount
Balance as of April 1, 2012	$1,606,433
Funds received during 2012-13	$3,000,000
Program revenue recognized - Accelerate	$(2,632,500)
Program revenue recognized - Globalink	$(600,000)
Balance of grant as of March 31, 2013	**$1,373,933**

Appendix B: Table of Accelerate Internships

Industry Partner	Sector	Research Project	University	Academic Discipline	Academic Supervisor	Intern	Funder
Kinexus Bioinformatics Corporation	Biotechnology	Modeling Human Cell Phosphorylation Network	Simon Fraser University	Computer Science	Jan Manuch	Javad Safaei Mehranpour	WD
Quaternion Engineering Inc	Technology	Design and Development of Unmanned Air Systems	University of Victoria	Engineering	Curran Crawford	Jenner Richards	WD
Quaternion Engineering Inc	Technology	Design and Development of Unmanned Air Systems	University of Victoria	Engineering	Yang Shi	Jenner Richards	WD
Nisgaa Business Alliance Corporation	Sustainability/Environment	Nisga'a Business Alliance Corporation Industry Research	University of British Columbia	Business	James Tansey	Sandip Basi	IRDI
Nisgaa Business Alliance Corporation	Sustainability/Environment	Nisga'a Business Alliance Corporation Industry Research	University of British Columbia	Business	James Tansey	Khushboo Wanchoo	IRDI
Toyo Pumps North America Corporation	Manufacturing & Construction	Slurry Pumps Efficiency, Productivity and Quality Enhancement	Simon Fraser University	Engineering	Siamak Arzanpour	Tim Gjernes	WD
Toyo Pumps North America Corporation	Manufacturing & Construction	Slurry Pumps Efficiency, Productivity and Quality Enhancement	Simon Fraser University	Engineering	Siamak Arzanpour	Hanbo Li	WD
United Way - Greater Victoria	Public Service, Policy & Governance	Community Tables: Engaging Neighbors!	University of Victoria	Social Sciences/Arts Humanities	Leslie Brown	Tara Todesco	WD
United Way - Greater Victoria	Public Service, Policy & Governance	Community Tables: Engaging Neighbors!	University of Victoria	Social Sciences/Arts Humanities	Leslie Brown	Geoff Cross	WD
United Way - Greater Victoria	Public Service, Policy & Governance	Engaging Neighbors!	University of Victoria	Social Sciences/Arts Humanities	Leslie Brown	Amanda Engen	WD
United Way -	Public Service, Policy	Community Tables: Engaging	University of	Social Scienc-	Leslie Brown	Erich	WD

Greater Victoria	& Governance	Neighbors!	Victoria	es/Arts Humanities		Nahser-Ringer	
Nanwakolas Council Society	Natural Resources	Nanwakolas Aquaculture and Tourism Research Cluster	University of British Columbia	Business	James Tansey	Kelly Watson	IRDI
Nanwakolas Council Society	Natural Resources	Nanwakolas Aquaculture and Tourism Research Cluster	University of British Columbia	Business	James Tansey	Jeff Svanhill	IRDI
Nanwakolas Council Society	Natural Resources	Nanwakolas Aquaculture and Tourism Research Cluster	University of British Columbia	Business	James Tansey	Judith Bosire	IRDI
Nanwakolas Council Society	Natural Resources	Nanwakolas Aquaculture and Tourism Research Cluster	University of British Columbia	Business	James Tansey	Jeff Svanhill	IRDI
Nanwakolas Council Society	Natural Resources	Nanwakolas Aquaculture and Tourism Research Cluster	University of British Columbia	Business	James Tansey	Laura Barreca	IRDI
Alpha Technologies Ltd	Energy & Utilities	DSP-Based Digital Controller for a Bi-Directional DC-DC Converter	University of British Columbia	Engineering	Martin Ordonez	Lucas Sinopoli	IRDI
Cement Association of Canada	Manufacturing & Construction	Investigating Waste Disposal Options for Metro Vancouver Solid Waste Management Plan	University of British Columbia	Engineering	Rehan Sadiq	Bahareh Reza	WD
Cement Association of Canada	Manufacturing & Construction	Investigating Waste Disposal Options for Metro Vancouver Solid Waste Management Plan	University of British Columbia	Engineering	Kasun Hewage	Atousa Soltani	WD
Surround Technologies Inc	Technology	Development of Smart Utility Management System	Simon Fraser University	Engineering	Siamak Arzanpour	Kian Davoudi	IRDI
Surround Technologies Inc	Technology	Development of Smart Utility Management System	Simon Fraser University	Engineering	Siamak Arzanpour	Kian Davoudi	IRDI
Surround Technologies Inc	Technology	Development of Smart Utility Management System	Simon Fraser University	Engineering	Siamak Arzanpour	Azim Keshtkar	IRDI
Surround Technologies Inc	Technology	Development of Smart Utility Management System	Simon Fraser University	Engineering	Siamak Arzanpour	Azim Keshtkar	Industry Can-

							ada
Surround Technologies Inc	Technology	Development of Smart Utility Management System	Simon Fraser University	Engineering	Siamak Arzanpour	Azim Keshtkar	Industry Canada
Surround Technologies Inc	Technology	Development of Smart Utility Management System	Simon Fraser University	Engineering	Siamak Arzanpour	Azim Keshtkar	WD
Team Finn Foundation	Health Care/ Life Science	Understanding Stress Signaling in Childhood Cancers to Elucidate New Strategies for Therapy in Metastatic Childhood Cancers	University of British Columbia	Life Sciences	Poul Sorensen	Barak Rotblat	WD
Team Finn Foundation	Health Care/ Life Science	Understanding Stress Signaling in Childhood Cancers to Elucidate New Strategies for Therapy in Metastatic Childhood Cancers	University of British Columbia	Life Sciences	Poul Sorensen	Barak Rotblat	WD
Team Finn Foundation	Health Care/ Life Science	Understanding Stress Signaling in Childhood Cancers to Elucidate New Strategies for Therapy in Metastatic Childhood Cancers	University of British Columbia	Life Sciences	Poul Sorensen	Tina Yang	WD
Team Finn Foundation	Health Care/ Life Science	Understanding Stress Signaling in Childhood Cancers to Elucidate New Strategies for Therapy in Metastatic Childhood Cancers	University of British Columbia	Life Sciences	Poul Sorensen	Naniye Cetinbas	WD
Team Finn Foundation	Health Care/ Life Science	Understanding Stress Signaling in Childhood Cancers to Elucidate New Strategies for Therapy in Metastatic Childhood Cancers	University of British Columbia	Life Sciences	Poul Sorensen	Jonathan Lim	WD
Team Finn Foundation	Health Care/ Life Science	Understanding Stress Signaling in Childhood Cancers to Elucidate New Strategies for Therapy in Metastatic Childhood Cancers	University of British Columbia	Life Sciences	Poul Sorensen	Jonathan Lim	WD
West Edge Engineering	Manufacturing & Construction	Seismic vulnerability assessment of reinforced concrete buildings subject to main shocks and aftershocks (Part 2)	University of British Columbia	Engineering	Solomon Tesfamariam	Konrad Duerr	IRDI

Hannah's Heroes Foundation	Health Care/ Life Science	Targeting the RSK Axis to Eliminate Medulloblastoma	University of British Columbia	Life Sciences	Sandra Dunn	Mary Rose Pambid	Provincial
Hannah's Heroes Foundation	Health Care/ Life Science	Targeting the RSK Axis to Eliminate Medulloblastoma	University of British Columbia	Life Sciences	Sandra Dunn	Mary Rose Pambid	Provincial
Hannah's Heroes Foundation	Health Care/ Life Science	Retrospective molecular subtyping of pediatric medulloblastomas and the evaluation of BTIC gene signature in tumors with poor prognosis	University of British Columbia	Life Sciences	Sandra Dunn	Joanna Triscott	WD
Hannah's Heroes Foundation	Health Care/ Life Science	Retrospective molecular subtyping of pediatric medulloblastomas and the evaluation of BTIC gene signature in tumors with poor prognosis	University of British Columbia	Life Sciences	Sandra Dunn	Joanna Triscott	WD
City of Surrey	Public Service, Policy & Governance	Sustainable Purchasing and Official Community Plan Sustainability Indicators	University of British Columbia	Social Sciences/Arts Humanities	Mark Stevens	Ruth Legg	WD
Sophos Inc	Technology	Automated malware detection using supervised machine learning	University of British Columbia	Engineering	Matei Ripeanu	Yazan Boshmaf	IRDI
Business Objects (SAP)	Technology	Personal Visual Analytics for Personal Finance and TimeManagement	Dalhousie University	Computer Science	Kirstie Hawkey	Namrata Bector	IRDI
Business Objects (SAP)	Technology	Personal Visual Analytics for Personal Finance and Time Management	University of Victoria	Computer Science	Melanie Tory	Halimat Alabi	IRDI
The Child & Family Research Institute at BCCH	Health Care/ Life Science	Toward an understanding of how YB-1 regulates drug resistance in glioblastoma multiforme through epigenetic regulation governed by BMI-1.	University of British Columbia	Life Sciences	Sandra Dunn	Daniel Radiloff	WD
The Child & Family Research Institute at BCCH	Health Care/ Life Science	Toward an understanding of how YB-1 regulates drug resistance in glioblastoma multiforme through	University of British Columbia	Life Sciences	Sandra Dunn	Daniel Radiloff	WD

		epigenetic regulation governed by BMI-1.					
The Child & Family Research Institute at BCCH	Health Care/ Life Science	Toward an understanding of how YB-1 regulates drug resistance in glioblastoma multiforme through epigenetic regulation governed by BMI-1.	University of British Columbia	Life Sciences	Sandra Dunn	Daniel Radiloff	WD
The Child & Family Research Institute at BCCH	Health Care/ Life Science	Toward an understanding of how YB-1 regulates drug resistance in glioblastoma multiforme through epigenetic regulation governed by BMI-1.	University of British Columbia	Life Sciences	Sandra Dunn	Daniel Radiloff	WD
City of Revelstoke	Public Service, Policy & Governance (do not use on IRDI internships)	Integrated Media for Urban Design Engagement	University of British Columbia	Social Sciences/Arts Humanities	Maged Senbel	Jessica Stuart	WD
LinguaComm	Entertainment & Media	Enhancements/Tools for an Intelligent Voice-Centric Application	Simon Fraser University	Computer Science	Steve DiPaola	Mozhgan Akhgari	Industry Canada
Placespeak	Sustainability/Environment	Online Public Consultation in the Real Estate Development Market	University of British Columbia	Social Sciences/Arts Humanities	Penelope Gurstein	Maureen Mendoza	IRDI
Blackbird Interactive	Entertainment & Media	Social Game Analytics: Using Metrics to Improve Player Engagement II	Simon Fraser University	Computer Science	Tom Calvert	Bardia Aghabeigi	IRDI
Government of British Columbia (Forests and Forestry)	Natural Resources	Towards species specific management of invasive hawkweeds in British Columbia:Quantifying distributions, modeling potential invasion extent, and investigating genetic-morphometriccongruence	University of British Columbia	Earth Sciences	Jason Pither	Chandra Moffat	WD
Government of British Columbia (Forests and For-	Natural Resources	Towards species specific management of invasive hawkweeds in British Columbia:Quantifying dis-	University of British Columbia	Earth Sciences	Jason Pither	David Ensing	WD

estry)		tributions, modeling potential invasion extent, and investigating genetic-morphometriccongruence					
Gaslamp Games	Entertainment & Media	Managing Shared State for Video Games in a Networked Multi-core Environment	Simon Fraser University	Computer Science	Sasha (Alexandra) Fedorova	Micah Best	WD
Ayogo Games Inc	Entertainment & Media	Game Metrics for Physiology-Based Health Games	University of Ontario Institute of Technology	Computer Science	Lennart Nacke	Matthias Klauser	IRDI
Merck Canada Inc (Vancouver, BC)	Health Care/ Life Science	A System Dynamics Model of the Continuum of Care for HIV	Simon Fraser University	Mathematical Sciences	Alexander (Sandy) Rutherford	Sarah Kok	WD
The Vancouver Sun	Health Care/ Life Science	Healing the body, healing the brain: Nutrition and exercise treatments for childhood neurodevelopmental disorders	University of British Columbia	Social Sciences/Arts Humanities	Judy Illes	Keith Rozendal	IRDI
Asia Pacific Foundation of Canada	Public Service, Policy & Governance	Industry Sectors that Attract Recent Chinese Immigrants to Canada	Royal Roads University	Social Sciences/Arts Humanities	Zhenyi Li	Daniela Tuchel	WD
Indel Therapeutics	Biotechnology	Development of novel therapeutics for multidrug-resistant bacterial pathogens by targeting indel-containing essential proteins	University of British Columbia	Life Sciences	Julian Davies	Jarvis Ka Chi Li	IRDI
Sierra Wireless Inc	Technology	Low-cost Machine Type Communication User Equipments for LTE.	University of British Columbia	Engineering	Lutz Lampe	Ghasem Naddafzadeh-Shirazi	IRDI
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Technology	Distributed Net-Enabled Information Fusion and Resource Management under Uncertainties	University of Victoria	Mathematical Sciences	Adel Guitouni	Hela Masri	IRDI
MacDonald, Dettwiler and Associates Ltd	Technology	Distributed Net-Enabled Information Fusion and Resource Management under Uncertainties	University of Victoria	Mathematical Sciences	Adel Guitouni	Yagiz Onat Yazir	IRDI

(Richmond, BC)							
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Technology	Distributed Net-Enabled Information Fusion and Resource Management under Uncertainties	University of Victoria	Mathematical Sciences	Adel Guitouni	Roozbeh Farahbod	IRDI
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Technology	Distributed Net-Enabled Information Fusion and Resource Management under Uncertainties	University of Victoria	Mathematical Sciences	Adel Guitouni	Vladimir Avram	IRDI
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Technology	Distributed Net-Enabled Information Fusion and Resource Management under Uncertainties	University of Victoria	Mathematical Sciences	Adel Guitouni	Hamed Yaghoubi Shahir	IRDI
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Technology	Distributed Net-Enabled Information Fusion and Resource Management under Uncertainties	University of Victoria	Mathematical Sciences	Adel Guitouni	Ons Abdelkhalek	IRDI
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Technology	Distributed Net-Enabled Information Fusion and Resource Management under Uncertainties	University of Victoria	Mathematical Sciences	Adel Guitouni	Hamed Yaghoubi Shahir	WD
EcoPlan International Inc	Sustainability/Environment	Where do we want to go? Have we arrived? Improving transparency, rigour and knowledge in complex multi-stakeholder planning processes	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Lorien Nesbit	WD
Gitga'at Development Corporation	Commercial Services	Gitga'at Development Corporation Feasibility Study Research	University of British Columbia	Business	James Tansey	Kartik Manghnani	IRDI
Gitga'at Development Corporation	Commercial Services	Gitga'at Development Corporation Feasibility Study Research	University of British Columbia	Business	James Tansey	Asha John	IRDI
Sky Research	Energy & Utilities	Optimal experimental design for enhanced oil recovery monitoring	University of British Colum-	Earth Sciences	Eldad Haber	Jennifer Fohring	IRDI

		with electromagnetic remote sensing	bia				
Sky Research	Energy & Utilities	Optimal experimental design for enhanced oil recovery monitoring with electromagnetic remote sensing	University of British Columbia	Earth Sciences	Eldad Haber	Jennifer Fohring	IRDI
OverInterActive Media Inc	Technology	The Development Of A Large-Scale Multidimensional WebApplication To Support Data Visualization, Mining & Analysis	Simon Fraser University	Computer Science	Brian Fisher	Ali Khalil-Araghi	IRDI
Sirolli Institute	Public Service, Policy & Governance	Socio-Economic Mine Closure (SEMC) Guideline: An Evaluation of the Local Economic Development (LED) Initiatives Implemented by Mining Companies to Address the Adverse Results of Mine Closure.	University of British Columbia	Engineering	Marcello Veiga	Andre Moura Xavier	WD
Ahp-cii-uk Community Society	Natural Resources	Capacity Building for Good Governance and Economic Development in First Nations in British Columbia	Simon Fraser University	Business	Mark Selman	Kristin McIlhenney Peters	WD
Ahp-cii-uk Community Society	Natural Resources	Capacity Building for Good Governance and Economic Development in First Nations in British Columbia	Simon Fraser University	Business	Mark Selman	Julian Harrison	WD
Ahp-cii-uk Community Society	Natural Resources	Capacity Building for Good Governance and Economic Development in First Nations in British Columbia	Simon Fraser University	Business	Mark Selman	Kailey LeMoel	WD
Ahp-cii-uk Community Society	Natural Resources	Capacity Building for Good Governance and Economic Development in First Nations in British Columbia	Simon Fraser University	Business	Mark Selman	Zain Nayani	WD
Ahp-cii-uk Community Society	Natural Resources	Capacity Building for Good Governance and Economic Develop-	Simon Fraser University	Business	Mark Selman	Zain Nayani	WD

		ment in First Nations in British Columbia					
Ahp-cii-uk Community Society	Natural Resources	Capacity Building for Good Governance and Economic Development in First Nations in British Columbia	Simon Fraser University	Business	Mark Selman	Julian Harrison	WD
The Vancouver Sun	Entertainment & Media	A Case-Based Approach to Integrating the "Fail Fast" Philosophy into Business Planning	Western University	Business	Darren Meister	Kathleen Cloutier	IRDI
TransLink	Energy & Utilities	Monitor and Improve Transit Service Reliability Using Automatic Data Collection System	University of British Columbia	Engineering	Jinhua Zhao	Zhan Zhao	Industry Canada
Tla'amin Timber Products Ltd	Natural Resources	Sliammon Carbon Interests: Background research on feasibility of a carbon offset project application.	University of British Columbia	Earth Sciences	Gary Bull	Lori Sparrow	IRDI
Westcoast Child Development Group Inc	Health Care/ Life Science	Mobile Health Application Validity and Efficacy Study	University of Victoria	Computer Science	Bruce Gooch	Colin Patch	IRDI
Kisameet Glacial Clay Inc	Natural Resources	Antimicrobial activity of Kisameet Clay	University of British Columbia	Life Sciences	Julian Davies	Shekooh Behroozian	IRDI
Kisameet Glacial Clay Inc	Natural Resources	Antimicrobial activity of Kisameet Clay	University of British Columbia	Life Sciences	Julian Davies	Shekooh Behroozian	IRDI
Kisameet Glacial Clay Inc	Natural Resources	Antimicrobial activity of Kisameet Clay	University of British Columbia	Life Sciences	Julian Davies	Shekooh Behroozian	WD
Kisameet Glacial Clay Inc	Natural Resources	Antimicrobial activity of Kisameet Clay	University of British Columbia	Life Sciences	Julian Davies	Shekooh Behroozian	WD
Nokia	Technology	Mobile video stitching, navigation, sharing, and efficient shipping to the cloud	Simon Fraser University	Computer Science	Jie Liang	Andrew Au	IRDI
Nokia	Technology	Mobile video stitching, navigation,	Simon Fraser	Computer Sci-	Jie Liang	Chongyuan	IRDI

		sharing, and efficient shipping to the cloud	University	ence		Bi	
Nokia	Technology	Mobile video stitching, navigation, sharing, and efficient shipping to the cloud	Simon Fraser University	Computer Science	Juangchuan Liu	Haitao Li	IRDI
Nokia	Technology	Mobile video stitching, navigation, sharing, and efficient shipping to the cloud	Simon Fraser University	Computer Science	Juangchuan Liu	Lei Zhang	IRDI
Nokia	Technology	Mobile video stitching, navigation, sharing, and efficient shipping to the cloud	Simon Fraser University	Computer Science	Juangchuan Liu	Yuan Zhao	IRDI
Nokia	Technology	Mobile video stitching, navigation, sharing, and efficient shipping to the cloud	Simon Fraser University	Computer Science	Juangchuan Liu	Haiyang Wang	IRDI
City of Surrey	Public Service, Policy & Governance	Making the Business Case for Using Development Cost Charges for Climate Mitigation	University of British Columbia	Social Sciences/Arts Humanities	Tim McDaniels	Polly Ng	WD
MobiSafe Solutions Inc	Technology	Investigation of the Foam Airbag Performance For Wheelchair Application	Simon Fraser University	Engineering	Siamak Arzanpour	Hossein Dehghani	IRDI
MobiSafe Solutions Inc	Technology	Investigation of the Foam Airbag Performance For Wheelchair Application	Simon Fraser University	Engineering	Siamak Arzanpour	Hossein Dehghani	Industry Canada
Metlakatla Development Corporation	Public Service, Policy & Governance)	Planning for the Co-management of the Metlakatla First Nation Conservancies	Simon Fraser University	Social Sciences/Arts Humanities	Murray Rutherford	Jane Hauser	IRDI
Government of British Columbia (Forests and Forestry)	Sustainability/Environment	Suspended sediment contributions from Forest Roads in the Honna River watershed	University of British Columbia	Physical Sciences	Marwan Hassan	David Reid	Provincial
Parks Canada	Natural Resources	The Response of Small Mammal Populations to Riparian Treatment Practices on Lyell Island	Royal Roads University	Earth Sciences	Jonathan Moran	Jacques Morin	WD
Parks Canada	Natural Resources	The Response of Small Mammal	Royal Roads	Earth Sciences	Jonathan Mo-	Jacques	WD

		Populations to Riparian Treatment Practices on Lyell Island	University		ran	Morin	
TherExcell Pharma Inc	Health Care/ Life Science	A Novel Analgesic for Osteoarthritis	University of British Columbia	Life Sciences	Bernard Macleod	Nada Sallam	IRDI
CrowdTrust Technologies Inc	Technology	Twitter Data Processing	University of British Columbia	Computer Science	Nando de Freitas	Masrour Zoghi	IRDI
SemiosBio Technologies Inc	Biotechnology	Technology portfolio management approach for new biopesticides products	Simon Fraser University	Business	Colleen Collins	Elizabeth Velasque	IRDI
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Natural Resources	Project 4C: Cumulus Cloud Cluster Computing	University of Victoria	Computer Science	[Monica] Yvonne Coady	Chris Matthews	Industry Canada
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Natural Resources	Project 4C: Cumulus Cloud Cluster Computing	University of Victoria	Computer Science	[Monica] Yvonne Coady	Chris Matthews	Industry Canada
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Natural Resources	Project 4C: Cumulus Cloud Cluster Computing	University of Victoria	Computer Science	[Monica] Yvonne Coady	Yagiz Onat Yazir	Industry Canada
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Natural Resources	Project 4C: Cumulus Cloud Cluster Computing	University of Victoria	Computer Science	[Monica] Yvonne Coady	Yanyan Zhuang	Industry Canada
MacDonald, Dettwiler and Associates Ltd (Richmond, BC)	Natural Resources	Project 4C: Cumulus Cloud Cluster Computing	University of Victoria	Computer Science	[Monica] Yvonne Coady	David Cheperdak	Industry Canada
MacDonald, Dettwiler and Associates Ltd	Natural Resources	Project 4C: Cumulus Cloud Cluster Computing	University of Victoria	Computer Science	[Monica] Yvonne Coady	Katherine Gunion	Industry Canada

(Richmond, BC)							
VanCity	Sustainability/Environment	Victoria Green Economy	University of Victoria	Business	Matt Murphy	Richard Tuck	Industry Canada
VanCity	Sustainability/Environment	Victoria Green Economy	University of Victoria	Business	Matt Murphy	Erik Schindler	WD
Lil'wat Management Services LP	Food and Agriculture	Lil'wat Nation Assessment of On-Reserve Agriculture	University of British Columbia	Business	James Tansey	Judith Bosire	WD
BC.NET	Technology	Locator/IP Separation Protocol for BCNET Services	Simon Fraser University	Computer Science	Ljiljana Trajkovic	Soroush Haeri	WD
VanCity	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Gregor Kolb	Industry Canada
BC Biomedical Laboratories Ltd	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Yizhou (Emma) Liu	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Phillip Tony Mah	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Bobby Siu Hong Wong	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Melissa Lee	Industry Canada
BC Biomedical Laboratories Ltd	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Boris Shabash	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Megan McCorquodale	Industry Canada
VanCity	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Colum-	Business	Derek Atkins	James Richardson	Industry Can-

			bia				ada
WorkSafeBC	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Chloe Bit Na Kim	WD
Fraser Health Authority	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Xiang (Claire) Ma	WD
Lions Gate Hospital Foundation	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Sara Taghipour	WD
Vancouver Coastal Health	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Zoha Zargham	WD
Northern Health Authority	Commercial Services	Centre for Operations Excellence Summer Internship Cluster 2012	University of British Columbia	Business	Derek Atkins	Kristy Jing Yi Zhou	WD
Awesense Wireless Inc (Vancouver, BC)	Technology	Power Monitor Load Disaggregation for the Electric Grid	Simon Fraser University	Computer Science	Fred Popowich	Stephen Makonin	Industry Canada
Microsoft Canada (Vancouver, BC)	Entertainment & Media	GPU-Based Fast Fluids for Video Games	University of British Columbia	Computer Science	Robert Bridson	Todd Keeler	WD
Microsoft Canada (Vancouver, BC)	Entertainment & Media	GPU-Based Fast Fluids for Video Games	University of British Columbia	Computer Science	Robert Bridson	Ryan Goldade	WD
AgriMarine Industries Inc	Food and Agriculture	Assessing the environmental impact of a novel solid-wall containment salmon aquaculture project	Dalhousie University	Business	Peter Tyedmers	Keegan McGrath	IRDI
AgriMarine Industries Inc	Food and Agriculture	Assessing the environmental impact of a novel solid-wall containment salmon aquaculture project	Dalhousie University	Business	Peter Tyedmers	Keegan McGrath	IRDI
Harwood Custom Composites	Manufacturing & Construction	Structural health monitoring and life prognosis of composite structures	University of Victoria	Engineering	Afzal Suleman	Stephen Warwick	WD

Harwood Custom Composites	Manufacturing & Construction	Structural health monitoring and life prognosis of composite structures	University of Victoria	Engineering	Afzal Suleman	Joao Miguel Lousada	WD
Harwood Custom Composites	Manufacturing & Construction	Structural health monitoring and life prognosis of composite structures	University of Victoria	Engineering	Afzal Suleman	Domingos Filipe Fernandes	WD
BCGold Corp	Natural Resources	Gold mineralization at the Engineer Mine, northern British Columbia: Its causes and consequences for local and regional gold exploration	University of British Columbia	Earth Sciences	Lee Groat	Leo Millonig	IRDI
BCGold Corp	Natural Resources	Gold mineralization at the Engineer Mine, northern British Columbia: Its causes and consequences for local and regional gold exploration	University of British Columbia	Earth Sciences	Lee Groat	Leo Millonig	IRDI
BCGold Corp	Natural Resources	Gold mineralization at the Engineer Mine, northern British Columbia: Its causes and consequences for local and regional gold exploration	University of British Columbia	Earth Sciences	Lee Groat	Leo Millonig	WD
Kibooco	Entertainment & Media	Collaborative Book Creation – Foundation HCI Research for Kibooco	Simon Fraser University	Computer Science	Alissa Antle	Allen Bevans	Industry Canada
Fusionpipe Solutions Inc	Technology	Optimization of cloud computing usage cost through artificial Intelligence Techniques	University of British Columbia	Computer Science	Ali Mesbah	Alireza Zarei	Industry Canada
Diacarbon Energy Inc	Energy & Utilities	Catalytic Pyrolysis of Biomass for Bio-oil Utilization	University of British Columbia	Engineering	Naoko Ellis	Joyleene Yu	WD
Namkis Online Inc	Technology	Real-time context-aware recommender systems	University of British Columbia	Computer Science	Laks Lakshmanan	Naresh Kumar Kolloju	Industry Canada
Namkis Online Inc	Technology	Real-time context-aware recommender systems	University of British Columbia	Computer Science	Laks Lakshmanan	Amit Goyal	Industry Canada
Reality Controls	Technology	Designing a Kinect Camera-Based	Simon Fraser	Social Scienc-	Thecla	Aaron	Indus-

		API to Detect Qualities of Movement toSupport Gestural Interaction	University	es/Arts Humanities	Schiphorst	Levisohn	try Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Supporting explanation in the CZSaw Visual Analytics system	Simon Fraser University	Social Sciences/Arts Humanities	Robert Woodbury	David Botta	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Supporting explanation in the CZSaw Visual Analytics system	Simon Fraser University	Social Sciences/Arts Humanities	Robert Woodbury	David Botta	Industry Canada
Malaspina Labs	Technology	Effectiveness of Dual-Microphone Model-Based Speech Discrimination for Increasing Speech Intelligibility in In-Situ Babble Noise	University of British Columbia	Life Sciences	Lorienne Jenstad	Heather Holliday	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Bonnie MacKay	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Bonnie MacKay	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Bonnie MacKay	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Mohamad Salimian	IRDI
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Kirstie Hawkey	Trevor Poole	IRDI
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	University of British Columbia	Computer Science	Rodger Lea	Mark Graham Johnson	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Mohamad Salimian	Industry Canada

Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Mohamad Salimian	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Mohamad Salimian	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Kirstie Hawkey	Trevor Poole	Industry Canada
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	University of British Columbia	Computer Science	Rodger Lea	Dawood Al Masslawi	WD
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	University of British Columbia	Computer Science	Rodger Lea	Dawood Al Masslawi	WD
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	University of British Columbia	Computer Science	Rodger Lea	Mark Graham Johnson	WD
Boeing Canada Operations (Aero-Info Systems)	Technology	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	University of British Columbia	Computer Science	Rodger Lea	Yuwen Sun	WD
Osler Systems Management Inc	Technology	Quality-focussed Migration and Reengineering of a Primary Care EMR to a Cloud Architecture	University of Victoria	Computer Science	Jens Weber	Fieran Mason-Blakley	WD
Osler Systems Management Inc	Technology	Quality-focussed Migration and Reengineering of a Primary Care EMR to a Cloud Architecture	University of Victoria	Computer Science	Jens Weber	Fieran Mason-Blakley	WD
Smartpager Systems Inc	Technology	Addressing Security Requirements and Concerns for a Cloud-Based Critical Messaging Platform	University of Victoria	Computer Science	Jens Weber	Caleb Shortt	Industry Canada
Smartpager Systems Inc	Technology	Addressing Security Requirements and Concerns for a Cloud-Based Critical Messaging Platform	University of Victoria	Computer Science	Jens Weber	Caleb Shortt	Industry Canada
0944303 B.C. Ltd	Manufacturing &	Developing state-of-the-art exami-	University of	Mathematical	Rehan Sadiq	Walaa	WD

	Construction	nation system for home inspectors in British Columbia	British Columbia	Sciences		Moursi	
0944303 B.C. Ltd	Manufacturing & Construction	Developing state-of-the-art examination system for home inspectors in British Columbia	University of British Columbia	Mathematical Sciences	Rehan Sadiq	Walaa Moursi	WD
0944303 B.C. Ltd	Manufacturing & Construction	Developing state-of-the-art examination system for home inspectors in British Columbia	University of British Columbia	Mathematical Sciences	Rehan Sadiq	Walaa Moursi	WD
Keegan Resources Inc	Natural Resources	Sustainability Framework for Junior Mining Companies	Simon Fraser University	Business	Stephanie Bertels	Lindsay McIvor	Industry Canada
Nokia	Health Care/ Life Science	Assistive Applications for Smartphones	University of Victoria	Computer Science	Sudhakar Ganti	Yagiz Onat Yazir	WD
Nokia	Health Care/ Life Science	Assistive Applications for Smartphones	University of Victoria	Computer Science	Sudhakar Ganti	Yanyan Zhuang	WD
Nokia	Health Care/ Life Science	Assistive Applications for Smartphones	University of Victoria	Computer Science	Fayez Gebali	Haytham EL MILIGI	WD
Nokia	Health Care/ Life Science	Assistive Applications for Smartphones	University of Victoria	Computer Science	Sudhakar Ganti	Haytham EL MILIGI	WD
Nokia	Health Care/ Life Science	Assistive Applications for Smartphones	University of Victoria	Computer Science	Fayez Gebali	Haytham EL MILIGI	WD
Nokia	Health Care/ Life Science	Assistive Applications for Smartphones	University of Victoria	Computer Science	Fayez Gebali	Jennifer Baldwin	WD
Hanson Blue-O Technology INC	Biotechnology	Investigation of adverse effects and healing factor properties of a novel formulation from Blue-O Medical Technology	University of British Columbia	Life Sciences	Horacio Bach	Joseph Chao	Industry Canada
Canadian Forest Service	Natural Resources	Spread and impact of an eruptive herbivore in a novel habitat: consequences of climate change - induced range expansion	University of British Columbia	Earth Sciences	Allan Carroll	Anthony Robinson	WD
Freshgrade	Technology	Teacher Assessment Using New Technologies	University of British Columbia	Social Sciences/Arts Humanities	Susan Crichton	Deb Carter	IRDI

Optemo Inc	Technology	Marketing Strategies for Innovative Retail-Based Technologies and Solutions	University of Victoria	Business	Brent Mainprize	Eben Lindsey	Industry Canada
BroadbandTV	Technology	Modeling and forecasting the popularity of YouTube videos	Simon Fraser University	Computer Science	Jiangchuan Liu	Haitao Li	WD
BC Hydro	Sustainability/Environment	Greenest City Conversation Project Part One	University of British Columbia	Social Sciences/Arts Humanities	Stephen Sheppard	Nicole Miller	IRDI
BC Hydro	Sustainability/Environment	Greenest City Conversation Project Part One	University of British Columbia	Social Sciences/Arts Humanities	Stephen Sheppard	Jon Salter	Industry Canada
BC Hydro	Sustainability/Environment	Greenest City Conversation Project Part One	University of British Columbia	Social Sciences/Arts Humanities	Stephen Sheppard	Jon Salter	WD
BC Hydro	Sustainability/Environment	Greenest City Conversation Project Part One	University of British Columbia	Social Sciences/Arts Humanities	John Robinson	David Maggs	WD
Canadian Agrichar Inc	Energy & Utilities	Mechanical design and improvement of a Mobile Polygeneration Pyrolysis Plant	Simon Fraser University	Engineering	Krishna Vijayaraghavan	Behzad Abdi	WD
Boeing Canada Operations (Aero-Info Systems)	Technology	Tackling the challenge of graph comparison in genomics	University of British Columbia	Computer Science	Tamara Munzner	Joel Ferstay	WD
Boeing Canada Operations (Aero-Info Systems)	Technology	Tackling the challenge of graph comparison in genomics	University of British Columbia	Computer Science	Tamara Munzner	Joel Ferstay	WD
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Chris Pearson	Industry Canada
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Chris Pearson	Industry Canada
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabili-	University of Victoria	Computer Science	[Monica] Yvonne Coady	Chris Pearson	Industry Can-

		ties					ada
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Dean Pucsek	WD
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Dean Pucsek	WD
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Yanyan Zhuang	WD
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Yanyan Zhuang	WD
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Anthony Estey	WD
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Anthony Estey	WD
CanAssist	Technology	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Anthony Estey	WD
Fraser Health Authority	Health Care/ Life Science	Empowering Patients with Diabetes through Experience Design	Simon Fraser University	Computer Science	Ron Wakkary	Sara Salevati	WD
Aurora Scientific Corp	Technology	Process optimization and Spectroscopic Analysis of Diamond-Like Carbon Films	Simon Fraser University	Physical Sciences	Gary Leach	Tarak Burai	WD
Ecotrust Canada Capital	Natural Resources	This forest: Developing A Forest Products Traceability Program for the Coast of British Columbia	Simon Fraser University	Business	Colleen Collins	Yancey Corden	WD
Ecotrust Canada Capital	Natural Resources	Forest Stewardship Group Development	Simon Fraser University	Business	Colleen Collins	Melissa Noel	WD
Ecotrust Canada Capital	Natural Resources	Alternative Values Analysis and Cumulative Impacts Assessment in	Simon Fraser University	Business	Tom Lawrence	Arjun Maruthi	WD

		Clayoquot Sound					
Keefer Ecological Services Ltd	Natural Resources	Suitability of Townsendia parryi, Agoseris lackschewitzii, Delphinium sutherlandii, Vaccinium membra-naceum and Pinus albicaulis for utilization in terrestrial alpine coalmine restoration in Elk River	University of Victoria	Earth Sciences	Valentin Schaefer	Cara Hernould	WD
Keefer Ecological Services Ltd	Natural Resources	Suitability of Townsendia parryi, Agoseris lackschewitzii, Delphinium sutherlandii, Vaccinium membra-naceum and Pinus albicaulis for utilization in terrestrial alpine coalmine restoration in Elk River	University of Victoria	Earth Sciences	Valentin Schaefer	Cara Hernould	WD
Markit	Finance and Insur-ance	Implementing a Conditional Elastic-ity of Variance Generalized Auto-regressive Conditional Heteroske-dastic Model with Foreign Ex-change Data	Simon Fraser University	Business	Andrey Pavlov	Jared Wolk	WD
Markit	Finance and Insur-ance	Implementing a Conditional Elastic-ity of Variance Generalized Auto-regressive Conditional Heteroske-dastic Model with Foreign Ex-change Data	Simon Fraser University	Business	Andrey Pavlov	Mehdi Saedi	WD
Keegan Resources Inc	Natural Resources	A Case Study of Keegan Resources' Sustainability Efforts in Ghana- Es-tablishing a Social Partnership Building Framework for Junior Min-ing Companies in Canada	Simon Fraser University	Business	Stephanie Ber-tels	Jessica Li	WD
Ecotrust Canada Capital	Manufacturing & Construction	Alternative Financing and feasibil-ity Assessment for First Nation Housing Initiatives	Simon Fraser University	Business	Mark Selman	Zheng Sun	WD
Unity Integration Corporation	Energy & Utilities	Development of a "Jennic Wireless to Ethernet" Gateway Embedded System	Simon Fraser University	Engineering	Mehrdad Moallem	Sepehr At-tarchi	WD

Unity Integration Corporation	Energy & Utilities	Development of a "Jennic Wireless to Ethernet" Gateway Embedded System	Simon Fraser University	Engineering	Mehrdad Moallem	Sepehr Attarchi	WD
Unity Integration Corporation	Energy & Utilities	Development of a "Jennic Wireless to Ethernet" Gateway Embedded System	Simon Fraser University	Engineering	Mehrdad Moallem	Gaspare Boscarino	WD
Unity Integration Corporation	Energy & Utilities	Development of a "Jennic Wireless to Ethernet" Gateway Embedded System	Simon Fraser University	Engineering	Mehrdad Moallem	Gaspare Boscarino	WD
McKesson Canada (Richmond, BC)	Health Care/ Life Science	Low Dose Computed Tomography Imaging: Measuring effects of denoising algorithms by means of objective and subjective measurements, and algorithms parameters optimization	Simon Fraser University	Computer Science	M. Stella Atkins	Yonas Tesfazghi Weldeselassie	WD
McKesson Canada (Richmond, BC)	Health Care/ Life Science	Low Dose Computed Tomography Imaging: Measuring effects of denoising algorithms by means of objective and subjective measurements, and algorithms parameters optimization	Simon Fraser University	Computer Science	M. Stella Atkins	Yonas Tesfazghi Weldeselassie	WD
SemiosBio Technologies Inc	Biotechnology	Synthesis of Pheromone Analogs for the Control of Parasitic Insect Infestation	University of British Columbia	Physical Sciences	Gregory Dake	Andreas Wagner	WD
Diavik Diamond Mine Inc	Public Service, Policy & Governance (do not use on IRDI internships)	Socio-Economlc Mine Closure (SEMC) Guideline: An Evaluation of the Local Economic Development (LED) Initiatives Implemented by Mining Companies to Address the Adverse Results of Mine Closure.	University of British Columbia	Engineering	Marcello Veiga	Andre Moura Xavier	WD
Sierra Wireless Inc	Technology	Low-cost Machine Type Communication User Equipments for LTE. (Part 2)	University of British Columbia	Engineering	Lutz Lampe	Ghasem Naddafzadeh-Shirazi	WD
v7 Entertainment	Entertainment &	FiX – Flash-in-XNA (Xbox New Ar-	Emily Carr	Computer Sci-	Kimberly Voll	Pooya Ma-	WD

	Media	chitecture)	University of Art + Design	ence		lek	
Hybridity Media	Entertainment & Media	Hybridity Media's Circles Software Development and Research; Agha Khan Museum opening, Light Based Interactive Research in LED technology and in experimentation with Ambient Video and Interactivity	Emily Carr University of Art + Design	Social Sciences/Arts Humanities	David Bogen	Leo Stefansson	WD
Hybridity Media	Entertainment & Media	Hybridity Media's Circles Software Design and Interface Research, Smartphone interface design research and development. Aga Kahn Museum Opening Visual Design Research for Performance Installation;	Emily Carr University of Art + Design	Social Sciences/Arts Humanities	Fiona Bowie	Rafael Puyana	WD
East Side Games	Entertainment & Media	Machine Learning for User Behaviour Prediction in Mobile Games	Simon Fraser University	Computer Science	Greg Mori	Amirhossein Bakhtiarikouhsorkhi	WD
Westport Innovations Inc	Energy & Utilities	Simulation of turbulent premixed flames	University of British Columbia	Engineering	Kendal Bushe	Girish Nivarti	WD
OverInterActive Media Inc	Entertainment & Media	The Development Of A Large-Scale Multidimensional Web Application To Support Data Visualization, Mining & Analysis	Simon Fraser University	Computer Science	Brian Fisher	Ali Khalil-Araghi	WD
Markit	Finance and Insurance	Comparing Standard and Extreme VaR Models During Highly Volatile Periods	Simon Fraser University	Business	Andrey Pavlov	Steven Sivorot	WD
Markit	Finance and Insurance	Comparing Standard and Extreme VaR Models During Highly Volatile Periods	Simon Fraser University	Business	Andrey Pavlov	Franclin Verla	WD
Fusionpipe Solu-	Technology	Disaster Recovery and Cloud Burst-	Simon Fraser	Computer Sci-	Oliver Schulte	Ali Bo-	WD

tions Inc		ing as a Cloud Service	University	ence		zorgkhan	
Fusionpipe Solutions Inc	Technology	Disaster Recovery and Cloud Bursting as a Cloud Service	Simon Fraser University	Computer Science	Oliver Schulte	Ali Bozorgkhan	WD
Fusionpipe Solutions Inc	Technology	Disaster Recovery and Cloud Bursting as a Cloud Service	Simon Fraser University	Computer Science	Oliver Schulte	Hassan Khosravi	WD
Fusionpipe Solutions Inc	Technology	Disaster Recovery and Cloud Bursting as a Cloud Service	Simon Fraser University	Computer Science	Oliver Schulte	Hassan Khosravi	WD
Ecotrust Canada Capital	Manufacturing & Construction	Green & Culturally Appropriate Building Design	Simon Fraser University	Business	Mark Selman	Kartik Manghnani	WD
Stantec	Commercial Services	Desirable density	University of British Columbia	Engineering	Blair Satterfield	Eleonore Leclerc	WD
Clarrus Consulting Group Inc	Technology	Reduction of Software Rework Through the Mitigation of Cognitive Biases	University of British Columbia	Computer Science	Philippe Kruchten	Patrick Conroy	WD
Russell Technologies	Technology	Advanced Statistical Signal Processing Algorithms for Precise Radar Positioning	University of British Columbia	Engineering	Jane Wang	Xun Chen	WD
Kisameet Glacial Clay Inc	Natural Resources	Antimicrobial Activity of Kisameet Clay II	University of British Columbia	Life Sciences	Julian Davies	Sarah Svensson	WD
Point Grey Research Inc	Technology	Evaluation of Lens Focusing using Modulation Transfer Function over the entire Sensor Field	Simon Fraser University	Computer Science	Mark Drew	Ali Madooei	WD
Point Grey Research Inc	Technology	Evaluation of Lens Focusing using Modulation Transfer Function over the entire Sensor Field	Simon Fraser University	Computer Science	Mark Drew	Ali Madooei	WD
Hanson Blue-O Technology INC	Biotechnology	Antiviral Activity of the Proprietary Samples	University of British Columbia	Life Sciences	Marc Horwitz	Christina Farr	WD
Placespeak	Technology	U I/UX Design and implementation for PlaceSpeak:a location-based online community consultation platform	University of British Columbia	Computer Science	Patricia Lasserre	Salma Kheiravar	WD

Gaslamp Games	Entertainment & Media	Managing Shared State for Video Games in a Networked Multi-core Environment	Simon Fraser University	Computer Science	Sasha (Alexandra) Fedorova	Micah Best	WD
TherExcell Pharma Inc	Health Care/ Life Science	A novel analgesic in a surgical model of osteoarthritis	University of British Columbia	Life Sciences	Bernard Macleod	Nada Sallam	WD
MineSense Technologies	Technology	A Scalable Solution for Sensing and Sorting Ore in the Mineral Mining Process	University of British Columbia	Computer Science	Alan Wagner	Sarwar Alam	WD
MineSense Technologies	Technology	A Scalable Solution for Sensing and Sorting Ore in the Mineral Mining Process	University of British Columbia	Computer Science	Alan Wagner	Sarwar Alam	WD
3D Simulation Solutions	Technology	Customer Value in Market Strategy for Guitar Chord Simulation Training System	University of Victoria	Business	Brock Smith	Roger Angus	WD
Heart Force Medical Inc	Biotechnology	Automatic Real-time Segmentation of SCG Signals	Simon Fraser University	Engineering	Carlo Menon	Farzad Khosrowkhavar	IRDI
Nuxalk Development Corporation	Natural Resources	Sustainable Development of Forest Resources: Nuxalk Development Corporation	University of British Columbia	Earth Sciences	Gary Bull	Kahlil Baker	Industry Canada
Nuxalk Development Corporation	Natural Resources	Sustainable Development of Forest Resources: Nuxalk Development Corporation	University of British Columbia	Earth Sciences	Gary Bull	Devyani Singh	Industry Canada
Nuxalk Development Corporation	Natural Resources	Sustainable Development of Forest Resources: Nuxalk Development Corporation	University of British Columbia	Earth Sciences	Gary Bull	Matthias Splittgerber	Industry Canada
Nuxalk Development Corporation	Natural Resources	Sustainable Development of Forest Resources: Nuxalk Development Corporation	University of British Columbia	Earth Sciences	Gary Bull	Amadeus Pribowo	Industry Canada
Nuxalk Development Corporation	Natural Resources	Sustainable Development of Forest Resources: Nuxalk Development Corporation	University of British Columbia	Earth Sciences	Gary Bull	Dallas Pootlass	Industry Canada
Indel Therapeu-	Biotechnology	Development of novel therapeutics	University of	Life Sciences	Julian Davies	Jarvis Ka	WD

tics		for multidrug-resistant bacterial pathogens by targeting indel-containing essential proteins Part 2	British Columbia			Chi Li	
Haida Salmon Restoration Corporation	Sustainability/Environment	Plankton Biomass Estimation using multi-frequency sonar	Simon Fraser University (Burnaby Campus)	Engineering	John Bird	Steve Pearce	WD
Alacrity Foundation	Technology	Assessing how Differences in Implementation Technologies and Platforms Affect Application-level Mobile Device Quality of Experience Measures	University of Victoria	Computer Science	Thomas Darcie	Mustafa Abousaleh	WD
Alacrity Foundation	Technology	Assessing how Differences in Implementation Technologies and Platforms Affect Application-level Mobile Device Quality of Experience Measures	University of Victoria	Computer Science	Thomas Darcie	Mustafa Abousaleh	WD
Entreprises Essipit	Natural Resources	Aboriginal Economic Development of forest resources	University of British Columbia	Earth Sciences	Harry Nelson	Jean-Michel Beaudoin	IRDI
Keegan Resources Inc	Natural Resources	Strategic Community Investment – A Toolkit for Junior Exploration Companies	Simon Fraser University	Business	Stephanie Bertels	Jessica Li	IRDI
Metafor Software	Technology	Investigate machine learning algorithms to develop anomaly detection methods on real-time data: Non-parametric approaches	University of British Columbia	Computer Science	Rabab Ward	Xin Yi Yong	WD
Ocean Networks Canada	Natural Resources	PREDICT: Parallel Resources for Early Detection of Immediate Causes of Tsunamis	University of Victoria	Computer Science	Aaron Gulliver	Hannan Lohrasbi	IRDI
Ocean Networks Canada	Natural Resources	PREDICT: Parallel Resources for Early Detection of Immediate Causes of Tsunamis	University of Victoria	Computer Science	Yvonne Coady	Josh Erickson	IRDI
Ocean Networks	Natural Resources	PREDICT: Parallel Resources for	University of	Computer Sci-	Yvonne Coady	Yanyan	IRDI

Canada		Early Detection of Immediate Causes of Tsunamis	Victoria	ence		Zhuang	
Ocean Networks Canada	Natural Resources	PREDICT: Parallel Resources for Early Detection of Immediate Causes of Tsunamis	University of Victoria	Computer Science	Aaron Gulliver	Hannan Lohrasbi	Industry Canada
Ocean Networks Canada	Natural Resources	PREDICT: Parallel Resources for Early Detection of Immediate Causes of Tsunamis	University of Victoria	Computer Science	Yvonne Coady	Josh Erickson	Industry Canada
Ocean Networks Canada	Natural Resources	PREDICT: Parallel Resources for Early Detection of Immediate Causes of Tsunamis	University of Victoria	Computer Science	Yvonne Coady	Yanyan Zhuang	Industry Canada
Bristol-Myers Squibb Canada	Health Care/ Life Science	A Longitudinal Comparison of Aripiprazole Vs. Higher Metabolic Risk Antipsychotic Drugs on Adiposity Using MRI	University of British Columbia	Life Sciences	Alasdair Barr	Heidi Boyda	WD
Bristol-Myers Squibb Canada	Health Care/ Life Science	A Longitudinal Comparison of Aripiprazole Vs. Higher Metabolic Risk Antipsychotic Drugs on Adiposity Using MRI	University of British Columbia	Life Sciences	Alasdair Barr	Heidi Boyda	WD
Keegan Resources Inc	Natural Resources	Sustainability Reporting: Lessons on initiating a Sustainability Report in a Junior mining company	Simon Fraser University	Business	Stephanie Bertels	Lindsay McIvor	WD
Microsoft Canada (Vancouver, BC)	New and Digital Media	Realistic and High-Performance Rendering	Université de Montréal	Computer Science	Derek Nowrouzezahrai	Renaud Dubouchet	IRDI
Microsoft Canada (Vancouver, BC)	New and Digital Media	Realistic and High-Performance Rendering	Université de Montréal	Computer Science	Derek Nowrouzezahrai	Mahdi Mohammad Bagher	IRDI
Microsoft Canada (Vancouver, BC)	New and Digital Media	Realistic and High-Performance Rendering	Université de Montréal	Computer Science	Derek Nowrouzezahrai	Aude Girard	IRDI
Microsoft Canada (Vancouver, BC)	New and Digital Media	Realistic and High-Performance Rendering	Université de Montréal	Computer Science	Derek Nowrouzezahrai	Mahdi Mohammad Bagher	Industry Canada
Williams and White Inc	Manufacturing & Construction	Design and Analysis of a Path Planning Algorithm in the Context of	Simon Fraser University	Engineering	John Jones	Soheil Keshmiri	WD

		Sawing and Grinding Manipulation Tasks					
Mathtoons Media Inc.	Entertainment & Media	Merging Calculus Learning with Mobile Devices: Calculus Practice App	University of British Columbia	Mathematical Sciences	Shawn Wang	Yipin Guo	WD
Temenos Software Canada	Technology	Customer Intelligence Data Mining for Financial Institutions	University of Waterloo	Mathematical Sciences	Yulia Gel	Vyacheslav Lyubchich	WD
Tapestry New Opera	Entertainment & Media	Investigating the impact of alternative performance environment in the development of Hover, a new chamber opera - II	University of British Columbia	Social Sciences/Arts Humanities	Dorothy Chang	Timothy Benton Roark	WD
Vancity Community Foundation	Sustainability/Environment	Jim Green Centre for Innovation and Inclusion	University of British Columbia	Social Sciences/Arts Humanities	Mark Monroe	Thomas Bevan	IRDI
Metafor Software	Technology	Investigate parametric machine learning algorithms to develop anomaly detection methods on real-time data	University of British Columbia	Computer Science	Paul Gustafson	Aline Talhouk	WD
Tsawwassen First Nation	Public Service, Policy & Governance	Tsawwassen First Nation Post Treaty Community Well-Being Study	University of British Columbia	Social Sciences/Arts Humanities	Ralph Mathews	Jordan Tesluk	Industry Canada
Tsawwassen First Nation	Public Service, Policy & Governance	Tsawwassen First Nation Post Treaty Community Well-Being Study	University of British Columbia	Social Sciences/Arts Humanities	Ralph Mathews	Jordan Tesluk	Industry Canada
Tsawwassen First Nation	Public Service, Policy & Governance	Tsawwassen First Nation Post Treaty Community Well-Being Study	University of British Columbia	Social Sciences/Arts Humanities	Ralph Mathews	Jordan Tesluk	Industry Canada
Tsawwassen First Nation	Public Service, Policy & Governance	Tsawwassen First Nation Post Treaty Community Well-Being Study	University of British Columbia	Social Sciences/Arts Humanities	Ralph Mathews	Jordan Tesluk	Industry Canada
Tsawwassen First Nation	Public Service, Policy & Governance	Tsawwassen First Nation Post Treaty Community Well-Being Study	University of British Columbia	Social Sciences/Arts Humanities	Ralph Mathews	Allison Takasaki	Industry Canada
Tsawwassen First	Public Service, Policy	Tsawwassen First Nation Post Trea-	University of	Social Scienc-	Ralph Mat-	Allison Ta-	Indus-

Nation	& Governance	ty Community Well-Being Study	British Columbia	es/Arts Humanities	thews	kasaki	try Canada
Alacrity Foundation	Technology	Measuring and Quantifying Mobile User Quality of Experience	University of Victoria	Computer Science	Thomas Darcie	Alim Jiwa	WD
Alacrity Foundation	Technology	Measuring and Quantifying Mobile User Quality of Experience	University of Victoria	Computer Science	Thomas Darcie	Alim Jiwa	WD
Alacrity Foundation	Technology	Privacy Analysis of Mobile Analytics	University of Victoria	Computer Science	Thomas Darcie	Rob O'Dwyer	IRDI
Alacrity Foundation	Technology	Privacy Analysis of Mobile Analytics	University of Victoria	Computer Science	Thomas Darcie	Rob O'Dwyer	IRDI
Pulse Energy	Energy & Utilities	Motivation for small and medium enterprises to reduce energy consumption	Wilfrid Laurier University	Social Sciences/Arts Humanities	Manuel Riemer	Cindy Ward	IRDI
Cebas VISUAL TECHNOLOGY INC	Technology	Cebas Fluid Solver	University of Victoria	Computer Science	Amy Gooch	Li Ji	WD
MineSense Technologies	Natural Resources	Towards Automating Ore Sorting with Rich Sensors	University of British Columbia	Computer Science	David Poole	David Buchman	Industry Canada
MineSense Technologies	Natural Resources	Towards Automating Ore Sorting with Rich Sensors	University of British Columbia	Computer Science	David Poole	Matthew Dirks	WD
MineSense Technologies	Natural Resources	Towards Automating Ore Sorting with Rich Sensors	University of British Columbia	Computer Science	David Poole	Matthew Dirks	WD
Boeing Canada Operations (Aero-Info Systems)	Technology	Interactive Visualization of Design Stories for Parametric Design Systems	Simon Fraser University	Computer Science	Halil Erhan	Rodolfo Sanchez	WD
White Tiger Mining Corp.	Natural Resources	Mineralogy and isotopic signature of the Marshall lake VHMS deposit, northwestern Ontario	University of British Columbia	Earth Sciences	Lee Groat	Jan Cempírek	WD
White Tiger Mining Corp.	Natural Resources	Mineralogy and isotopic signature of the Marshall lake VHMS deposit, northwestern Ontario	University of British Columbia	Earth Sciences	Lee Groat	Jan Cempírek	WD
White Tiger Min-	Natural Resources	Mineralogy and isotopic signature	University of	Earth Sciences	Lee Groat	Jan Cempí-	WD

ing Corp.		of the Marshall lake VHMS deposit, northwestern Ontario	British Columbia			rek	
Ecotrust Canada Capital	Natural Resources	Forest Stewardship Group Development: Part II	Simon Fraser University	Business	Colleen Collins	Melissa Noel	IRDI
MAG Silver Corp.	Environmental Science and Technology	Carbonate Alteration Footprints of Hydrothermal Ore Deposits	University of British Columbia	Earth Sciences	Gregory Dipple	Andreas Beinlich	Industry Canada
MAG Silver Corp.	Environmental Science and Technology	Carbonate Alteration Footprints of Hydrothermal Ore Deposits	University of British Columbia	Earth Sciences	Gregory Dipple	Andreas Beinlich	Industry Canada
MAG Silver Corp.	Environmental Science and Technology	Carbonate Alteration Footprints of Hydrothermal Ore Deposits	University of British Columbia	Earth Sciences	Gregory Dipple	Andreas Beinlich	Industry Canada
Cardiome Pharma Corp	Health Care/ Life Science	Investigating the biophysics and structural basis for state dependent drug blockade of persistent/late sodium current (INa(P)) in the heart using photoactivatable crosslinking unnatural amino acids.	University of British Columbia	Life Sciences	David Fedida	Samuel Goodchild	Industry Canada
Cardiome Pharma Corp	Health Care/ Life Science	Investigating the biophysics and structural basis for state dependent drug blockade of persistent/late sodium current (INa(P)) in the heart using photoactivatable crosslinking unnatural amino acids.	University of British Columbia	Life Sciences	David Fedida	Samuel Goodchild	Industry Canada
Cardiome Pharma Corp	Health Care/ Life Science	Investigating the biophysics and structural basis for state dependent drug blockade of persistent/late sodium current (INa(P)) in the heart using photoactivatable crosslinking unnatural amino acids.	University of British Columbia	Life Sciences	David Fedida	Samuel Goodchild	Industry Canada
enGene Inc	Health Care/ Life Science	Non-Viral delivery of insulin and IL10 to the intestine for immunotherapy for type 1 diabetes	University of British Columbia	Life Sciences	Timothy Kieffer	Majid Mojibian	Industry Canada

enGene Inc	Health Care/ Life Science	Non-Viral delivery of insulin and IL10 to the intestine for immuno-therapy for type 1 diabetes	University of British Colum-bia	Life Sciences	Timothy Kief-fer	Majid Mo-jibian	Indus-try Can-ada
enGene Inc	Health Care/ Life Science	Non-Viral delivery of insulin and IL10 to the intestine for immuno-therapy for type 1 diabetes	University of British Colum-bia	Life Sciences	Timothy Kief-fer	Majid Mo-jibian	Indus-try Can-ada
RepliCel Life Sci-ences Inc	Health Care/ Life Science	Isolation, characterization and cul-ture maintenance of stem cells from human hair follicle mesen-chyme	University of British Colum-bia	Life Sciences	Kevin McEl-wee	Feng-Tao Shi	Indus-try Can-ada
RepliCel Life Sci-ences Inc	Health Care/ Life Science	Isolation, characterization and cul-ture maintenance of stem cells from human hair follicle mesen-chyme	University of British Colum-bia	Life Sciences	Kevin McEl-wee	Feng-Tao Shi	Indus-try Can-ada
RepliCel Life Sci-ences Inc	Health Care/ Life Science	Isolation, characterization and cul-ture maintenance of stem cells from human hair follicle mesen-chyme	University of British Colum-bia	Life Sciences	Kevin McEl-wee	Feng-Tao Shi	Indus-try Can-ada
Daystar Technol-ogies Inc	Environmental Sci-ence and Technology	Combined Harvesting and Storage of Solar Power	University of British Colum-bia	Physical Sci-ences	John Madden	Ashwin Usgaocar	Indus-try Can-ada
Daystar Technol-ogies Inc	Environmental Sci-ence and Technology	Combined Harvesting and Storage of Solar Power	University of British Colum-bia	Physical Sci-ences	John Madden	Ashwin Usgaocar	Indus-try Can-ada
Daystar Technol-ogies Inc	Environmental Sci-ence and Technology	Combined Harvesting and Storage of Solar Power	University of British Colum-bia	Physical Sci-ences	John Madden	Ashwin Usgaocar	Indus-try Can-ada
Canfor Corpora-tion	Natural Resources	Natural and Anthropogenic factors affecting the Nechako river water-shed	University of Northern Brit-ish Columbia	Social Scienc-es/Arts Hu-manities	Jueyi Sui	Sina Ab-adza-desahraei	IRDI
Ecotrust Canada Capital	Natural Resources	This forest: Developing A Forest Products Traceability Program for the Coast of BC 2	Simon Fraser University	Business	Colleen Collins	Yancey Corden	IRDI
Priologic Software	Technology	Making the Software Development	University of	Social Scienc-	Paul Schure	Yufu Dai	IRDI

Inc		Outsourcing Decision: offshoring, nearshoring, or producing inhouse?	Victoria	es/Arts Humanities			
Gaslamp Games	Entertainment & Media	Managing Shared State for Video Games in a Networked Multi-core Environment	Simon Fraser University	Computer Science	Sasha (Alexandra) Fedorova	Micah Best	Industry Canada
Team Finn Foundation	Health Care/ Life Science	Understanding Stress Signaling in Childhood Cancers: reactive oxidant species (ROS) signaling pathways	University of British Columbia	Life Sciences	Poul Sorensen	Jonathan Lim	WD
Team Finn Foundation	Health Care/ Life Science	Understanding Stress Signaling in Childhood Cancers: reactive oxidant species (ROS) signaling pathways	University of British Columbia	Life Sciences	Poul Sorensen	Jonathan Lim	WD
Neucel Specialty Cellulose	Natural Resources	Improvement in the dissolving pulp production process	University of New Brunswick	Engineering	Yonghao Ni	Shunxi Song	IRDI
Neucel Specialty Cellulose	Natural Resources	Improvement in the dissolving pulp production process	University of New Brunswick	Engineering	Yonghao Ni	Shunxi Song	IRDI
Neucel Specialty Cellulose	Natural Resources	Improvement in the dissolving pulp production process	University of New Brunswick	Engineering	Yonghao Ni	Dibyendu Debnath	IRDI
Neucel Specialty Cellulose	Natural Resources	Improvement in the dissolving pulp production process	University of New Brunswick	Engineering	Yonghao Ni	Dibyendu Debnath	IRDI
Platinum Group Metals Ltd	Health Care/ Life Science	A Community-Orientated "Skills for Success" Research Project	Simon Fraser University	Life Sciences	Craig Janes	Katie Birdsall	WD
BC Hydro	Energy & Utilities	Using an analog approach to improve weather forecasts for a hydroelectric energy company	University of British Columbia	Earth Sciences	Roland Stull	Thomas Nipen	Industry Canada
Arlington Group Planning + Architecture Inc.	Sustainability/Environment	Evaluation, Analysis and Design of Flood-related Climate Change Adaptation Policies for Coastal B.C.	University of British Columbia	Social Sciences/Arts Humanities	Maged Senbel	Amanda Grochowich	IRDI
Placespeak	Natural Resources	Online Public Consultation in the	Simon Fraser	Earth Sciences	Frank Gobas	Aimée	IRDI

		Resource Development Industry	University			Brisebois	
Alectos Therapeutics Inc	Automotive	Biochemical Studies and Assay Development Targeting Novel Anticancer Agents	Simon Fraser University	Physical Sciences	Andrew Bennet	Razieh Eskandari	Industry Canada
Alectos Therapeutics Inc	Automotive	Biochemical Studies and Assay Development Targeting Novel Anticancer Agents	Simon Fraser University	Physical Sciences	Andrew Bennet	Razieh Eskandari	Industry Canada
Analytic Design Group	Technology	Building an Innovative Idea Management Tool	Vancouver Island University	Business	Darren Paproski	Ahmad Khoudari	IRDI
Pay2p Financial Inc.	Technology	Hybrid encryption and intrusion detection for an e-commerce database	Simon Fraser University	Computer Science	Steve DiPaola	Nahid Karimaghalou	IRDI
Microsoft Canada (Vancouver, BC)	Entertainment & Media	Fluids and Fracture for Video Games	University of British Columbia	Computer Science	Robert Bridson	Todd Keeler	Industry Canada
Microsoft Canada (Vancouver, BC)	Entertainment & Media	Fluids and Fracture for Video Games	University of British Columbia	Computer Science	Robert Bridson	Ryan Goldade	Industry Canada
Recon Instruments Inc	Technology	Head-Up Display Applications of a Compound Micro-lens Array	University of British Columbia	Engineering	Boris Stoeber	Hongbae Sam Park	Industry Canada
BC Cancer Agency	Health Care/ Life Science	Low-cost complex genome assembly and annotation	University of Victoria	Life Sciences	Caren Helbing	Austin Hammond	WD
BC Cancer Agency	Health Care/ Life Science	Low-cost complex genome assembly and annotation	University of Victoria	Life Sciences	Caren Helbing	Austin Hammond	WD
Clarrus Consulting Group Inc	Technology	Reduction of Software Rework Through the Mitigation of Cognitive Biases	University of British Columbia	Computer Science	Philippe Kruchten	Patrick Conroy	IRDI
Sidestix Ventures Inc	Health Care/ Life Science	The Energetics of Forearm Crutch Gait: The impact of a dynamic shock absorber	University of British Columbia	Life Sciences	Bonita Sawatzky	Megan MacGillivray	Industry Canada
Sidestix Ventures Inc	Health Care/ Life Science	The Energetics of Forearm Crutch Gait: The impact of a dynamic	University of British Colum-	Life Sciences	Bonita Sawatzky	Megan MacGilli-	Industry Can-

		shock absorber	bia			vray	ada
Pinnacle Renewable Energy Group	Energy & Utilities	Determination of net calorific value of fresh and aged wood pellets	University of British Columbia	Engineering	Anthony Lau	Fahimeh Yazdanpanah	Industry Canada
Pinnacle Renewable Energy Group	Energy & Utilities	Determination of net calorific value of fresh and aged wood pellets	University of British Columbia	Engineering	Shahab Sokhansanj	Jun Sian Lee	Industry Canada
Pinnacle Renewable Energy Group	Energy & Utilities	Determination of net calorific value of fresh and aged wood pellets	University of British Columbia	Engineering	Shahab Sokhansanj	Jun Sian Lee	Industry Canada
Neucel Specialty Cellulose	Other	Improvement in the quality of dissolving pulp	University of New Brunswick	Engineering	Yonghao Ni	Xinjin Sui	Industry Canada
Neucel Specialty Cellulose	Other	Improvement in the quality of dissolving pulp	University of New Brunswick	Engineering	Yonghao Ni	Xinjin Sui	Industry Canada
Neucel Specialty Cellulose	Other	Improvement in the quality of dissolving pulp	University of New Brunswick	Engineering	Yonghao Ni	Xinjin Sui	Industry Canada
Riipen Networks Inc	Technology	Targeted Search and Match-making using Web Mining and Case-based Reasoning	University of Victoria	Engineering	Issa Traore	Mehrnaz Bayaki	Industry Canada
The Angler's Atlas	Technology	Building an automated text mining algorithm to extract location-based information from online documents	University of Northern British Columbia	Computer Science	Liang Chen	Negar Hassanpour	Industry Canada
Hanson Blue-O Technology INC	Biotechnology	Investigation of adverse effects and healing factor properties of a novel formulation from Blue-O Medical Technology – Phase II	University of British Columbia	Life Sciences	Horacio Bach	Joseph Chao	Industry Canada
Hannah's Heroes Foundation	Health Care/ Life Science	Retrospective molecular subtyping of pediatric medulloblastomas and the evaluation of poor prognosis gene markers	University of British Columbia	Life Sciences	Sandra Dunn	Joanna Triscott	WD

Hannah's Heroes Foundation	Health Care/ Life Science	Retrospective molecular subtyping of pediatric medulloblastomas and the evaluation of poor prognosis gene markers	University of British Columbia	Life Sciences	Sandra Dunn	Joanna Triscott	WD
BC Hydro	Energy & Utilities	Autonomous Energy System; Scalable, Flexible, Light and Low Cost – part 2	Simon Fraser University (Burnaby Campus)	Engineering	Bozena Kaminska	Mohamadreza Najiminaini	Industry Canada
BC Hydro	Energy & Utilities	Autonomous Energy System; Scalable, Flexible, Light and Low Cost – part 2	Simon Fraser University (Burnaby Campus)	Engineering	Bozena Kaminska	Moein Shayegannia	Industry Canada
BC Hydro	Energy & Utilities	Autonomous Energy System; Scalable, Flexible, Light and Low Cost – part 2	Simon Fraser University (Burnaby Campus)	Engineering	Bozena Kaminska	Moein Shayegannia	Industry Canada
BC.NET	Technology	Using Resource Public Key Infrastructure for Secure Border Gateway Protocol	Simon Fraser University (Burnaby Campus)	Engineering	Ljiljana Trajkovic	Majid Arianezhad	WD

Appendix C: Table of Globalink Internships

Intern	*Home Country*	*Home University*	*Host University*	*Host Department*	*Academic Supervisor*	*Research Project*
Daniele Akiyoshi	Brazil	Universidade Estadual Paulista Júlio de Mesquita Filho	Simon Fraser University - Surrey	Mathematics and Computer Science	Martin Ordonez	Wind/Ocean Turbine Emulator
Gabriel Bezerra	Brazil	Universidade Federal de Campina Grande	University of British Columbia - Vancouver	Electrical and Computer Engineering	Matei Ripeanu	MosaStore: A new generation of storage systems
Rafael Defendi	Brazil	Universidade Estadual de Maringá	Simon Fraser University - Burnaby	Molecular Biology and Biochemistry	Hogan Yu	Design and Testing of Aptamer-Based Electrochemical Biosensors for illegal drugs
Wandemberg Gomes	Brazil	Federal Institute of Education, Science and Technology of Ceará	University of British Columbia - Vancouver	Electrical and Computer Engineering	Tor Aamodt	Graphics Processor Architecture for Server Computing
André Goto	Brazil	Universidade Estadual de Campinas	University of British Columbia - Vancouver	Computer Science	Elizabeth Croft	Collaborative, Human-focused, Assistive Robotics for Manufacturing
Barbara Paes	Brazil	Universidade de Brasília	University of British Columbia - Vancouver	Cellular and Physiological Sciences	Kurt Haas	Developmental Brain Plasticity
Driéli Rodrigues	Brazil	University of São Paulo	University of British Columbia - Vancouver	Medicine	Erika Frank	Designing Freely-available Online Health Sciences Trainings for Low-Resourced Settings
Laura Rolla Antuña	Brazil	Universidade Federal de Minas Gerais	University of Victoria	Computer Science	Sudhakar Ganti	Network Traffic Studies for High-speed Data Networks
Carla Silva Martins	Brazil	Universidade Federal de São Carlos	Simon Fraser University - Burnaby	Chemistry	Mario Pinto	Towards Drug Candidates Against Tuberculosis
Qi Dong	China	Beihang University	University of Victoria	Electrical and Computer Engineering	Christo Papadopoulos	Transparent conductors based on carbon nanomaterials
Ying Dong	China	Lanzhou University	Simon Fraser University - Surrey	Mathematics and Computer Science	Martin Ordonez	Battery Charge Controller for Small Wind Turbine

Yu Guo	China	Sun Yat-sen University	Simon Fraser University - Surrey	Civil and Resource Engineering	Farid Golnaraghi	Intelligent Decision Support System
Hongyang Li	China	Dalian University of Technology	University of Victoria	Computer Science	Jianping Pan	Performance Study of Peer-to-Peer Video-on-Demand Systems
Yifan Li	China	East China Normal University	University of British Columbia - Kelowna	Mathematics and Statistics	Paramjit Gill	Statistical Modelling of Twenty20 Cricket
Di Liu	China	Beijing Normal University	University of Victoria	Electrical and Computer Engineering	Fayez Gebali	Facial Animation and Modeling
Dongxu Liu	China	Central South University of China	University of British Columbia - Vancouver	Microbiology and Immunology	Michael Murphy	Shape determinants of pathogenic helical bacteria
Yidan Liu	China	Beijing Institute of Technology	University of British Columbia - Vancouver	Electrical and Computer Engineering	Victor Leung	Vital sign visualization on smartphones for public m-health
Ziwei Liu	China	Huazhong University of Science and Technology	University of Victoria	Computer Science	Jens Weber	Formal Software Engineering of a High Confidence Medical Data Device
Peipei Shi	China	Lanzhou University	University of British Columbia - Vancouver	Mining Engineering	John Meech	PGM resources and production around the world
Na Sun	China	East China Normal University	University of Victoria	CanAssist	Nigel Livingston	Development of Communication Software for Persons with Disabilities
Kai Wang	China	East China Normal University	University of Victoria	CanAssist	Nigel Livingston	Development of Communication Software for Persons with Disabilities
Shouzheng Wang	China	Central South University of China	University of British Columbia - Vancouver	Medicine	Carolyn Gotay	Cancer Prevention in Canada and the Developing World
Zemeng Wang	China	Huazhong University of Science and Technology	University of British Columbia - Vancouver	Civil Engineering	Nemkumar Banthia	Development of Sustainable Masonry Rehabilitation Technologies (SMART
Wenzhao	China	Dalian Univer-	University of	Chemistry	Scott McIn-	Identity and synthesis

Wu		sity of Technology	Victoria		doe	of key components of methylaluminoxane
Mengmeng Xiao	China	Northwestern Polytechnical University	Simon Fraser University - Burnaby	Chemistry	Paul Percival	Muonium chemistry at TRIUMF
Xining Yang	China	Central South University of China	University of British Columbia - Vancouver	Medicine	Erica Frank	Designing Freely-available Online Health Sciences Trainings for Low-Resourced Settings
Chaowen Yu	China	Zhejiang University	University of British Columbia - Vancouver	Electrical and Computer Engineering	Tor Aamodt	Graphics Processor Architecture for Server Computing
Chen Zhang	China	Sichuan University	Simon Fraser University - Burnaby	Chemistry	Bingyun Sun	Proteomics method development for cell surface glycoproteins
Lujia Zhang	China	Nankai University	University of Victoria	Electrical and Computer Engineering	Reuven Gordon	Optical Antennas and Optical Trapping of Nanoparticles
Yimeng Zhang	China	Zhejiang University	University of British Columbia - Vancouver	Electrical and Computer Engineering	Rabab Ward	Automatic Detection of Novel Patterns in heart , EEG or speech signals
Zhonghang Zhang	China	China Agriculture University	Simon Fraser University - Burnaby	Biological Sciences	Jim Mattsson	Genetic manipulation of vein density in rice to improve photosynthetic yield
Yao Zhao	China	Harbin Institute of Technology	University of Victoria	Computer Science	Sudhakar Ganti	Network Traffic Studies for High-Speed Data Networks
Li Zhezhen	China	Sun Yat-sen University	Simon Fraser University - Burnaby	Chemistry	Tim Storr	Dual-Modal Imaging Probes of Cancer Detection
Abhinav Agarwal	India	Indian Institute of Technology, Guwahatti	University of British Columbia - Vancouver	Electrical and Computer Engineering	Rabab Ward	Automatic Detection of Novel Patterns in Heart Signals
Satya Appana	India	BITS Pilani	University of British Columbia - Vancouver	Faculty of Education	Marina Milner-Bolotin	Interactive Online Science and Mathematics Database for Elementary and Secondary Teachers
Poolla Bala Kameshwar	India	Indian Institute of Technology, Kha-	Simon Fraser University - Surrey	Engineering Science	Gary Wang	Integration of Plug-in Hybrid Electric Vehicle with Microgrid

		ragpur				
Shantanu Bhate	India	BITS Pilani	University of British Columbia - Vancouver	Electrical and Computer Engineering	Victor Leung	An experimental approach for the use of a Software-Defined Radio (SDR) platform in public m-health
Soudipta Chakrabort y	India	Indian Institute of Technology, Kharagpur	Simon Fraser University - Burnaby	Computing Science	Binay Bhattacharya	Using column generation in local search
Sumant Dalmiya	India	BITS Pilani	University of British Columbia - Kelowna	Engineering	Richard Klukas	Integration of an Optical Angle-of-Arrival Sensor with MEMS Sensors
Amit Dhankhar	India	Indian Institute of Technology, Kanpur	University of British Columbia - Kelowna	Engineering	Dwayne Tannant	Geohazard Characterization Using Photogrammetry and Google Earth Display
Nitin Gangahar	India	BITS Pilani	University of British Columbia - Kelowna	Computer Science	Yves Lucet	Computer-Aided Convex Analysis
Raja Jain	India	Indian Institute of Technology, Bombay	University of British Columbia - Kelowna	Engineering	Homayoun Najjaran	A Development Platform for Multiagent UGV/UAV Network Systems
Jalaj Jain	India	BITS Pilani	University of British Columbia - Vancouver	Chemical and Biological Engineering	Bhushan Gopaluni	Nonlinear State and Parameter Estimation
Ashwin Kalkar	India	Indian Institute of Technology, Madras	University of British Columbia - Vancouver	Materials Engineering	Edouard Asselin	High Temperature Electrochemistry of Nuclear Reactors
Kiran Kanthavar	India	BITS Pilani	University of British Columbia - Vancouver	Mechanical Engineering	Mike Van der Loos	Examining Human Standing Balance Response with Independent Ankle Control
Arzoo Katiyar	India	Indian Institute of Technology, Kanpur	University of British Columbia - Vancouver	Computer Science	David Poole	Tools for ontologically-based statistical-relational models
Satya Teja Kona	India	National Institute of Technology - Wa-	University of Victoria	Mechanical Engineering	Rustom Bhiladvala	Water droplet control in micropores: fuel cell applications

		rangal				
Mani Vinay Kumar Kotipalli	India	National Institute of Technology - Warangal	University of British Columbia - Vancouver	Cellular and Physiological Sciences	Timothy Kieffer	Cell Therapy for Diabetes
Aditi Kumar	India	Indian Institute of Technology, Madras	University of British Columbia - Vancouver	Political Science	Anjali Bohlken	The Effect of Background on Performance: An Investigation of Indian MPs
Kunal Lad	India	BITS Pilani	Simon Fraser University - Burnaby	Mathematics	Bojan Mohar	Chromatic and flow polynomials of graphs.
Tushar Mandar	India	BITS Pilani	University of Victoria	Computer Science	Jianping Pan	Performance Study of Peer-to-Peer Video-on-Demand Systems
Vengatesh Muralidharan	India	BITS Pilani	Simon Fraser University - Surrey	Engineering Science	Erik Kjeang	Simulation of charging/discharging processes in microfluidic fuel cells with flow-through porous electrodes
Abhishek Pimpale	India	BITS Pilani	Simon Fraser University - Surrey	Civil and Resource Engineering	Farid Golnaraghi	Intelligent Decision Support System
Kesav Bharadwaj Ramesh	India	BITS Pilani	University of Victoria	Computer Science	Kui Wu	Battling Internet Water Army: Detection of paid posters in online social networks
Uppiliappan Rengarajan	India	National Institute of Technology - Trichy	Simon Fraser University - Surrey	Engineering Science	WooSoo Kim	Fabrication of Organic thin film transistors
Murtaza Saif	India	Vellore Institute of Technology	University of British Columbia - Vancouver	Biochemistry and Molecular Biology	Filip Van Petegem	Novel drugs to treat cardiac arrhythmias
Aman Saini	India	BITS Pilani	University of Victoria	Computer Science	Jens Weber	Formal methods based development of medical devices software
Apoorv Saxena	India	Indian Institute of Technology, Kanpur	University of British Columbia - Vancouver	Computer Science	William Evans	Characterizing Visibility Graphs
Chandan Sejekan	India	National Institute of Technology - Su-	University of British Columbia - Van-	Mechanical Engineering	Carl Ollivier-Gooch	Automated Testing of Large Software Systems in Scientific

		rathkal	couver			Computing
Shayoni Seth	India	BITS Pilani	University of British Columbia - Vancouver	Electrical and Computer Engineering	Karthik Pattabiraman	Improving the Reliability and Security of Javascript-based Web 2.0 Applications
Rushabh Sheth	India	Indian Institute of Technology, Bombay	University of British Columbia - Vancouver	Mechanical Engineering	Gary Schajer	Sawblade Vibration Mode Identification
Prabhat Kumar Singh	India	National Institute of Technology - Warangal	University of British Columbia - Vancouver	Mining Engineering	Bernhard Klein	Technical Feasibility Study on Pre-concentration Technologies for Ore-Sorting
Aarya Vaikakkara Chithran	India	Vellore Institute of Technology	University of British Columbia - Vancouver	Cellular and Physiological Sciences	Christian Naus	3D neural culture system to examine glioma-glial interactions
Alan Darío Castañón Sandoval	Mexico	Universidad Autonoma de San Luis Potosi	University of British Columbia - Vancouver	Forestry	Jack Saddler	Enzymatic hydrolysis of lignocellulosic biomass for ethanol production

Appendix D: Mitacs Academic Partners

Full Partners

- École de Technologie Supérieure
- McMaster University
- McGill University
- Queen's University
- Ryerson University
- Simon Fraser University
- Université de Montréal
- Université INRS
- University of Alberta
- University of British Columbia
- University of Calgary
- University of Manitoba
- University of New Brunswick
- University of Ottawa
- University of Toronto
- University of Waterloo
- Western University

Associate Partners

- Carleton University
- Concordia University
- Dalhousie University
- École Polytechnique de Montréal
- Memorial University of Newfoundland
- Trent University
- Université du Québec à Trois-Rivières
- Université de Sherbrooke
- Université Laval
- University of Guelph
- University of Saskatchewan
- University of Victoria
- Wilfrid Laurier University
- York University

Affiliate Partners

- Emily Carr University of Art + Design
- University of Lethbridge
- Université du Québec à Montréal

Honourary Partners

- Acadia University
- Athabasca University
- Cape Breton University
- Concordia University College of Alberta
- HEC Montréal
- Lakehead University
- Laurentian University
- Mount Allison University
- Mount Saint Vincent University
- Mount Sinai Hospital
- Ontario College of Art & Design
- Royal Military College of Canada
- Saint Mary's University
- St. Francis Xavier University
- Thompson Rivers University
- Trent University
- Université de Moncton
- Université du Québec en Abitibi Témiscaminque
- University of Northern British Columbia
- University of Ontario Institute of Technology
- University of Regina
- University of Windsor
- University of Winnipeg
- Vancouver Island University

Appendix E: Media

Saanich News - Prying doctors from their pagers

20 Feb, 2013

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Georgia Straight - B.C. government is investing in technology sector

05 Dec, 2012

Vancouver Sun - For some, inventing is easier than selling their idea

24 Nov, 2012

GlobalTV BC - Feature story on Mitacs Globalink

01 Oct, 2012

Click on the link below to view the story, with Brian Coxford.

http://www.mitacs.ca/n/2012/10/globaltv-bc-feature-story-mitacs-globalink

Vancouver Sun - Kids' ebook start-up finds success with crowdfunding

05 Sep, 2012

BCL-TV - Mitacs Globalink students in Victoria meet Minister Naomi Yamamoto

20 Jul, 2012

A group of Mitacs Globalink students in Victoria were invited to the BC Legislature to meet Minister of Advanced Education, Naomi Yamamoto.

http://www.mitacs.ca/n/2012/08/bcl-tv-mitacs-globalink-students-victoria-meet-minister-naomi-yamamoto

OMNI News, Punjabi Edition - Mitacs Globalink students meet BC Minister Naomi Yamamoto

17 Jul, 2012

On July 17, 2012, a group of Mitacs Globalink students had the opportunity to meet BC Minister of Advanced Education, Naomi Yamamoto, in Victoria.

http://www.mitacs.ca/n/2012/07/omni-news-punjabi-edition-mitacs-globalink-students-meet-bc-minister-naomi-yamamoto

Global TV BC - Story on Mitacs-Accelerate

16 Jul, 2012

Mitacs-Accelerate was featured on Insight and included interviews with Vancouver companies SemiosBio and Weatherhaven.

http://www.mitacs.ca/n/2012/07/global-tv-bc-story-mitacs-accelerate

Vancouver Sun - Training is key to innovation

08 Jun, 2012

Nanaimo News Bulletin - Province gives international education a boost

30 May, 2012

Vancouver Sun - B.C. sets sights on 47,000 international students

28 May, 2012

By Jonathan Fowlie

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60310-70/MITACS

APR 15 2013

Dr. Arvind Gupta, CEO and Scientific Director
Mitacs Inc.
Suite 301, Technology Enterprise Facility
University of British Columbia
6190 Agronomy Rd
Vancouver BC V6T 1Z3

Dear Dr. Gupta:

I am pleased to advise that the Ministry of Advanced Education, Innovation and Technology will provide Mitacs with a one time contribution of $3.0 million to support three Mitacs programs: Mitacs-Accelerate, Mitacs-Globalink and Mitacs-Elevate and thereby advance government's commitments to research, innovation and internationalization.

The funding is to support British Columbia and international graduate students at British Columbia's public post-secondary institutions or students affiliated with British Columbia public post-secondary institutions and to support research consistent with priority sectors in the provincial economy such as forestry, mining, health, and technology.

I request that you meet with Ministry staff in the coming weeks to discuss program specifics. As a condition of this funding, Mitacs is required, by March 31, 2014, to submit a report to the Ministry on the number of recipients, their province/country of origin, the field of study and/or research project, the British Columbia public post secondary institution host, the participating British Columbia company (where applicable), and the outcomes of the projects supported by this funding.

If you have any questions regarding this funding please contact Ms. Janice Larson, Executive Director, Post-Secondary Programs Branch at (250) 952-0705 or via e-mail at Janice.Larson@gov.bc.ca.

The Ministry feels cooperative efforts around public communications will maximize the benefits to your organization. I respectfully request that you defer any media releases until our joint efforts can be formalized.

.../2

Ministry of Advanced Education, Innovation and Technology and Ministry Responsible for Multiculturalism

Office of the Minister

Mailing Address:
PO Box 9080 Stn Prov Govt
Victoria BC V8W 9E2

Location:
Parliament Buildings
Victoria

Please have your staff contact Government Communications and Public Engagement, by phone at (250) 952-6508 to arrange for an opportunity to publicly announce funding for this project.

I appreciate the contribution of Mitacs to the province's research and innovation capacity, and your commitment to providing exceptional opportunities for students. We expect that this investment will build upon previous successes with Mitacs, and look forward to working with you over the coming year.

Yours truly,

Honourable Ralph Sultan
Minister

pc: Mr. Colin Fowler, A/CFO and Executive Director
Post-Secondary Funding and Corporate Finance
Ministry of Advanced Education, Innovation and Technology

Ms. Janice Larson, Executive Director
Post Secondary Programs Branch
Ministry of Advanced Education, Innovation and Technology

Mr. Marc Black, Communications Director
Government Communications and Public Engagement
Ministry of Advanced Education, Innovation and Technology

Ms. Donna Friedlander, Manager, Financial Performance
Post-Secondary Funding and Corporate Finance
Ministry of Advanced Education, Innovation and Technology

Date: October 30, 2013
Cliff# 95840
File# 280-20/BN 2013
Version # 1

MINISTRY OF ADVANCED EDUCATION
MEETING NOTE

PREPARED FOR: Sandra Carroll, Deputy Minister

DATE AND TIME OF MEETING: November 12, 2013, 3:30 pm to 4:30 pm

ATTENDEES: Dr. Arvind Gupta, President and Chief Executive Officer, Mitacs

ISSUE(S): Introductory meeting with Deputy Minister Carroll. No issues identified although future funding may be raised.

BACKGROUND:

Mathematics of Technology and Complex Systems Inc. (Mitacs) is a national, non-profit research organization that supports collaborative industry-university research. Mitacs' offices are located at the University of British Columbia, but Mitacs is not an entity of the university.

Mitacs runs three major programs in British Columbia:

- **Globalink** is a program that brings top undergraduates from other countries to British Columbia for summer internships to expose them to research going on in the province. Funding for Globalink was announced under the International Education Strategy.
- **Accelerate** creates graduate student research internships for domestic and international students that help industry solve ongoing challenges, and gives students practical experience in, and connections with, the sector where they will find jobs after graduation.
- **Elevate** connects recent PhD graduates with industry, and provides them with business, management and entrepreneurship skills training.

Mitacs funds its programs through contributions from the provincial government, the federal government and industry partners. Graduate students and post-graduates receive support from Mitacs via stipends, research funding, travel subsidies, and training. Domestic and international graduate students attending British Columbia post-secondary institutions are eligible to apply for internships.

The Government of British Columbia has provided over $20 million to support Mitacs' programs since 2004 (through the Ministry of Advanced Education (AVED) and the former Ministry of Jobs, Tourism and Innovation). In December 2012, Mitacs submitted a proposal to government for $20 million over 3 years. The proposal indicated that a $20 million provincial investment would leverage a $77.5 million innovation program, including $30 million from industry. In April 2013, AVED provided Mitacs with $3 million to support Globalink, Accelerate and Elevate.

AVED's responsibility for post-secondary education is directly related to Mitacs' programs as they support graduate students and encourage top international undergraduate students to come to British Columbia. However, the Ministry of Technology, Innovation and Citizens' Services (MTICS) has the lead for research and technology programs in British Columbia.

The Honourable Andrew Wilkinson, Minister of MTICS, met with Mitacs on September 3, 2013 to discuss Mitacs' most recent funding proposal to the Government of British Columbia. Mitacs is also the delivery partner for the BC Innovation Council's pilot of the BC Commercialization Voucher Program (funded via MTICS), a key component of the British Columbia Technology Strategy.

DISCUSSION:

It is possible that Dr. Gupta will raise Mitacs' request to Government for a commitment to fund Mitacs in 2014/15 and beyond. AVED is not able to commit to funding for 2014/15 or to multi-year funding at this time.

To ensure accountability, AVED's April funding letter to Mitacs requested a report on specific elements of delivery by March 31, 2014 (Please see Attachment 1).

Mitacs makes significant efforts to provide AVED with outcomes of its programs. Mitacs' report for 2012/13 funding ($3 million from AVED: $2.3 million for Accelerate and $0.7 million for Globalink) includes the following information:

- 64 Globalink and 348 Accelerate internships were funded;
- Globalink interns came from India, China, Brazil and Mexico;
- 40 percent of Globalink interns were studying engineering;
- 50 percent of Globalink interns applied to return to British Columbia for graduate study;
- More than 15 industry sectors were involved in Accelerate internships; and,
- Accelerate interns came from several academic disciplines including, Business, Computer Science, Earth Sciences, Engineering, Life Sciences, Mathematical Sciences, Physical Sciences, Social Sciences and Humanities.

Mitacs recently co-sponsored a survey of Canadian Postdoctoral Scholars. Please see Attachment 2 for a summary of the report prepared as a result of the survey.

SUGGESTED RESPONSE:

- Thank you for meeting with me to share information about Mitacs' programs in British Columbia.
- I look forward to hearing more about the outcomes of Mitacs' programs.

Attachments: Attachment 1: Mitacs Funding Letter April 2013
Attachment 2: Summary of Canadian Postdoctoral Survey Report

Prepared by:	Connie Marczyk	**Reviewed by:**	
	Lower Mainland Region	Director	NH
Phone #:	250-387-2340	Executive Director	
		Assistant Deputy Minister	

BRITISH COLUMBIA

Our Ref. 94837
File No. 280-30/CORR 2013 x
60310-70/MITACS

APR 15 2013

Dr. Arvind Gupta, CEO and Scientific Director
Mitacs Inc.
Suite 301, Technology Enterprise Facility
University of British Columbia
6190 Agronomy Rd
Vancouver BC V6T 1Z3

Dear Dr. Gupta:

I am pleased to advise that the Ministry of Advanced Education, Innovation and Technology will provide Mitacs with a one time contribution of $3.0 million to support three Mitacs programs: Mitacs-Accelerate, Mitacs-Globalink and Mitacs-Elevate and thereby advance government's commitments to research, innovation and internationalization.

The funding is to support British Columbia and international graduate students at British Columbia's public post-secondary institutions or students affiliated with British Columbia public post-secondary institutions and to support research consistent with priority sectors in the provincial economy such as forestry, mining, health, and technology.

I request that you meet with Ministry staff in the coming weeks to discuss program specifics. As a condition of this funding, Mitacs is required, by March 31, 2014, to submit a report to the Ministry on the number of recipients, their province/country of origin, the field of study and/or research project, the British Columbia public post secondary institution host, the participating British Columbia company (where applicable), and the outcomes of the projects supported by this funding.

If you have any questions regarding this funding please contact Ms. Janice Larson, Executive Director, Post-Secondary Programs Branch at (250) 952-0705 or via e-mail at Janice.Larson@gov.bc.ca.

The Ministry feels cooperative efforts around public communications will maximize the benefits to your organization. I respectfully request that you defer any media releases until our joint efforts can be formalized.

.../2

Ministry of Advanced Education, Innovation and Technology and Ministry Responsible for Multiculturalism

Office of the Minister

Mailing Address:
PO Box 9080 Stn Prov Govt
Victoria BC V8W 9E2

Location:
Parliament Buildings
Victoria

Please have your staff contact Government Communications and Public Engagement, by phone at (250) 952-6508 to arrange for an opportunity to publicly announce funding for this project.

I appreciate the contribution of Mitacs to the province's research and innovation capacity, and your commitment to providing exceptional opportunities for students. We expect that this investment will build upon previous successes with Mitacs, and look forward to working with you over the coming year.

Yours truly,

Honourable Ralph Sultan
Minister

pc: Mr. Colin Fowler, A/CFO and Executive Director
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Ministry of Advanced Education Summary (AVED) of
The 2013 Canadian Postdoc Survey: Painting a Picture of Canadian Postdoctoral Scholars
By the Canadian Association of Postdoctoral Scholars (CAPS-ACSP) and Mitacs

Background:

- AVED received an advanced embargoed copy of the survey report, which was officially released on October 2, 2013.
- CAPS-ACSP is a volunteer committee of postdoctoral scholars that advocates for postdocs and represents their interests.
- Mitacs is a not-for-profit organization that coordinates industry-university research projects involving graduate students and postdoctoral fellows.[1]
- The 2013 Canadian Postdoc Survey had 1,830 respondents from across Canada. 251 postdocs at British Columbia universities responded (UBC 209; UVic 42). Note: Although there is no complete list of Canadian postdocs, there are an estimated 9,000 postdocs in Canada.
- The aim of the survey and report is to advocate for policies and programs that support Canadian postdocs.
- Postdocs are defined as individuals who hold "a recently completed research doctoral degree (or medical professional equivalent) and are in a temporary period of mentored research or scholarly training. A Canadian postdoc is a postdoc who is associated with a Canadian institution, regardless of nationality, citizenship or residency, or who is receiving funding from within Canada."

Concluding Statements:

1. Postdocs would like to be treated as employees, and to receive benefits and compensation commensurate with their work and experience; and,
2. Canadian postdoctoral appointments should be supported with appropriate and relevant career development opportunities.

[1] Mitacs' Elevate program is specifically aimed at postdoctoral scholars, providing them with training for careers as industrial research managers. The Government of British Columbia has provided over $20 million to support Mitacs programs since 2004, which include Accelerate (graduate students); Globalink (international undergraduate students) and Elevate (postdoctoral fellows and research). Note that the amount of funding for Elevate has not been specified, but depends upon industry opportunities and postdoc applications in those years that AVED included Elevate in funding for Mitacs. Mitacs' Elevate budgets range from $90,000 to $110,000 per postdoc fellowship annually, with a $45,000 to $50,000 stipend plus research and training allocations. The provincial funding for each fellowship is $25,000.

Survey Findings:

Canadian Postdoc Demographics

- Average age is 34;
- 53% are male and 46% are female;
- 69% are married or in a common-law relationship and 35% have children;
- 38% of respondents identified themselves as international postdocs on work permits and a further 15% as permanent residents;
- Main fields of research are: Life Sciences 46%; Physical Sciences and Engineering 32%; Social Sciences/Humanities 14% and Interdisciplinary 8%;
- 49% of postdocs are paid through their supervisor's research grant and 20% through the Tri-council national research funding agencies;
- 69% had a career goal of becoming "university research faculty", although prior to receiving a postdoc appointment 81% had this career goal;
- 51% report never being exposed to non-academic career options, 41% were somewhat exposed and 8% had a lot of exposure; and,
- 87% have no access to career counselling or are uncertain of their access.

Concerns and Satisfaction

- Status within the university system is not clear and polices across Canada vary: Postdocs are classified as employees, students, contractors or trainees (postdocs would like access to employee benefits and 75% would prefer classification as employees);
- About 2/3 of postdocs earn less than $45,000 annually – Only 44% are satisfied with their salary or stipend and 29% are satisfied with their benefits;
- Training is perceived to be insufficient (36% are satisfied with training) and only 43% are satisfied with career development;
- 77% are satisfied with the level of supervision and 72% are satisfied with the resources and facilities available to them.

Progress Report

In April 2013, Mitacs and the Ministry of Advanced Education extended their partnership in support of the BC Government's commitment to maintain provincial prosperity in today's knowledge economy by supporting advanced research and developing a highly educated and skilled workforce. The Government's investment of $3 million in this project has been leveraged into a $12.5 million project with $3.1 million from the federal government, $2.9 million in direct industry investment, and $3.5 million of in-kind support.

Mitacs has delivered on the total provincial investment by December 31, 2013 with demand for the *Accelerate*, *Elevate* and *Globalink* far exceeding the provincial investment.

Specifically, the BC-Mitacs partnership objectives are to:

- Support the *BC Jobs Plan* by helping to build a modern workforce with long-term jobs that match cutting-edge knowledge with practical skills;
- Increase industry investment in research and innovation;
- Support high-quality jobs and entrepreneurship;
- Encourage the recruitment and retention of highly-trained and highly-skilled innovators and entrepreneurs;
- Leverage BC investments in research, innovation, and training with real and significant investments from private sector partners and the federal government; and
- Brand BC as a world-leading jurisdiction for research, innovation, and commercialization.

In the first three quarters of 2013-14, Mitacs supported a total of 362 *Accelerate* internships in BC and we forecast a total of 536 approved internships for the 2013-14 fiscal year. This corresponds to 174 new approved internships in the fourth quarter of 2013-14.

During the first three quarters of 2013-14, 188 interns undertook research collaborations with 166 industrial partners within a range of sectors including BC priority areas of Forestry, Mining, Health, and Technology. Of these 188 interns, Mitacs attracted nine students from outside BC to undertake internships with BC-based industry partners. Mitacs *Accelerate* is recognized globally as a model internship program, helping build BC's reputation as an international destination for post-secondary education. Mitacs' innovative programming is building demand for research excellence and development in BC that will result in increased skilled job opportunities.

Attracting the best and brightest since 2009, the Mitacs *Globalink* program has succeeded in showcasing the exceptional research offered by universities across Canada to over 800 international students from India, China, Brazil, and Mexico. The summer of 2013 was immensely successful for *Globalink*, with 60 of the world's top undergraduates brought to BC to participate in research projects with leading researchers at BC's universities. In addition, 9 former *Globalink* participants have returned to BC to undertake their graduate studies through the *Globalink* fellowship program.

Mitacs approved 17 new *Elevate* fellowships for the first three quarters of fiscal year 2013-14. Mitacs anticipates that an additional 15 *Elevate* applications will be approved by the end of March 2014, bringing the total for

2013-14 to 32. The research projects for these future industrial research and development (R&D) managers and leaders range across priority sectors including Advanced Manufacturing, Biotechnology, and Information and Communication Technology. To complement their industrial experience, *Elevate* Postdoctoral fellows (PDFs) attend training and networking events to prepare them for an effective transition from academia to industry.

In addition to valuable R&D experience gained through internships, students have the opportunity to gain business-ready skills through Mitacs' suite of Step professional skills workshops. Led by recognized industry leaders, interns acquire the necessary skill-set to make the transition from academia to industry. In 2013-14, Mitacs hosted 805 BC graduate students and postdocs at workshops that covered topics such as project management, business etiquette, and presentation skills.

Please note that numbers for *Accelerate* and *Elevate* may change due to year-end reconciliation, and a complete report will be submitted once all numbers have been finalized.

Strategic Plan

The leveraging of the Government of British Columbia's investment of $3.0 million has resulted in a $12.5 million project that adroitly shows the demand for Mitacs' suite of programs throughout the province. Compared to 2012-13's total *Accelerate* internship number of 348, Mitacs has significantly increased its delivery. Based on forecasted numbers, Mitacs will deliver approximately 500 *Accelerate* internships in 2013-14. To meet this growing demand, Mitacs has several ongoing initiatives designed to maximize innovation opportunities for BC-based industry.

Mitacs continues to expand opportunities to leverage provincial investments in innovation and training. On February 11th, the federal government released ***Economic Action Plan 2014***, allocating $8 million to Mitacs over two years to deliver Mitacs *Elevate*. In addition, Mitacs was named as exclusive PDF program delivery agent. This funding will provide additional opportunities for exceptional PDFs to gain key research and project management experience. This investment builds on top of the 2013 federal budget commitment of $13 million over two years to deliver *Globalink*, and the 2012 federal budget commitment of $35 million over five years for *Accelerate*. These investments are and will be used in conjunction with provincial support to deliver additional research internships and develop new opportunities with BC industry.

BC continues to benefit from the $8.75 million Western Economic Diversification commitment to Mitacs. Of this, $5.3 million is being used to leverage Mitacs programs to the benefit of innovation in BC. This three-year federal investment will support *Accelerate* internship projects in industry and not-for-profits, attract exceptional *Globalink* students, and position *Elevate* PDFs to become future industrial R&D managers and leaders. Mitacs has also negotiated a contribution agreement with NRC-IRAP to provide 50% of the industry contribution for small and medium sized enterprises (SMEs) internships in British Columbia. Partnering with NRC-IRAP promotes growth at small, high-growth BC companies through easier access to research expertise at BC universities.

Mitacs continues to focus on forward-looking opportunities to leverage federal and industrial funding through various initiatives that focus on the Government of British Columbia's commitments to research, innovation, and internationalization. Mitacs is in the pilot stages of a new program called *Converge*, a pilot program that positions Canadian firms for growth by becoming innovation suppliers to multinational enterprises (MNEs). Specifically, the program matches dynamic and innovative BC firms, primarily SMEs, with the business and innovation

needs of MNEs. World-class research at BC universities is leveraged to ensure the BC firm maximizes chances of success. The result is high-value partnerships that provide MNEs access to BC's leading academic and industry researchers while dynamic BC firms grow through new international customers and global export markets.

In an effort to boost innovation across BC's economy, Mitacs has launched a targeted sector strategy, which continues to grow and produce results within BC's priority sectors. This strategy is designed to support innovation in specific sectors through targeted outreach and partnership with sector associations and to meet growing demand. As part of this initiative, Mitacs has joined the BC Mining Human Resources Task Force, which oversees and implements strategies to address the lack of qualified personnel within the mining industry. Mitacs is also working within the technology sector through collaboration with the BC Technology Industry Association and VIATec. These partnerships pave the way for increased collaboration between industry and academia through a targeted approach that assists companies in addressing cross-sectoral challenges. A longer term goal of our sector strategy is to foster innovation supply chains by linking the needs of larger companies with the entrepreneurship and nimbleness of smaller Canadian firms through the *Converge* pilot. These firms see Mitacs programs as turn-key solutions that can be easily incorporated by consortia as a fast, scalable, and effective way to incorporate research and training into projects of all sizes.

In addition, to address mounting demand from firms in BC, Mitacs had developed an industrial partnership strategy, which has account managers from the Business Development team focusing on key industry partners to develop proactive research initiatives that leverage the entire Mitacs academic network. Working with industry partners to streamline the establishment of long-term internship commitments through memoranda of understanding (MOUs), account managers provide direct business development support to key firms, helping them identify and establish research projects. These approaches help shape long-term commitments to integrate internships into comprehensive R&D and training strategies for the industrial partners. Due to demand for this approach, Mitacs now has a full-time account manager in BC working closely with key firms.

Mitacs is also in the process of working with universities to establish embedded internships into Masters' programs. This is being done in both professional and research programs. Mitacs is in discussions with over 35 programs nationally. For this fiscal year, 32 internships across the country will delivered through embedment in Masters' programs.

During a Globalink research internship at the University of British Columbia, Linda Yang from China's Central South University quickly realized she wanted to return to complete her Master's. She has fulfilled her goal, becoming an international graduate student in the Master's of Pathology and Laboratory Medicine program at UBC. As a returning Globalink student, Linda was awarded the Mitacs Globalink Graduate Fellowship which provides financial support to former Globalink Research Interns who return to Canada for graduate studies at select Mitacs university partners. Now researching under the supervision of Dr. Mark Scott, Linda is uncovering new therapeutic methods to treat cancer tumors. "Meeting Professor Scott face-to-face really solidified my decision to return to Canada. And now, I'm doing cutting edge research that could one day change the way we treat cancer." Upon completion of her degree, Linda plans to begin her career in Vancouver, continuing to do research that makes a difference.

Mitacs by the Numbers

Accelerate:

1. Number of *Accelerate* internships: **362**

Accelerate Internships by Sector	
Aerospace	8
Agriculture and Food	15
Aquaculture and Fishing	7
Biotechnology	16
Clean Technology	7
Commercial Services	8
Construction	12
Education	3
Energy and Utilities	21
Entertainment and Media	21
Environmental Science and Technology	17
Finance and Insurance	10
Food and Agriculture	7
Forestry	7
Green/Alternative Energy	3
Health and Related Sciences and Technology	35
Health Care/Life Science	13
Information and Communications Technology	14
Life Sciences	6
Mining	13
Nanotechnology	1
Natural Resources	19
New and Digital Media	1
Ocean Tech	1
Other	8
Public Service, Policy, and Governance	5
Sustainability/Environment	10
Technology	66
Tourism	5
Transportation	2
Total	**362**

An Accelerate internship collaboration between chART Projects and Emily Carr University of Art and Design Masters student, Jay White, set out to discover ways that data collection could be embedded into location-specific, audio-based artworks that are accessible through a smartphone application. The research has resulted in a roadmap for an innovative smartphone application for future design and implementation. In addition, Jay will continue this collaboration with chART to help see the project through to its final stages with the potential for other projects as well.

2. *Accelerate* Internships by Academic Disciplines

Discipline	
Business	28
Computer Science	76
Earth Sciences	40
Engineering	81
Life Sciences	47
Mathematical Sciences	26
Physical Sciences	21
Social Sciences/Arts & Humanities	43
Total	**362**

3. *Accelerate* Internships by Host Institution

Host Institution	
University of British Columbia	195
Simon Fraser University	77
University of Victoria	35
Royal Roads University	13
University of British Columbia – Okanagan	7
Vancouver Island University	7
University of Northern British Columbia	6
St. Paul's Hospital – ICAPTURE Centre	5
Dalhousie University	3
Emily Carr University of Art and Design	3
Carleton University	2
University of Waterloo	2
University of Toronto	2
Concordia University	1
Western University	1
McGill University	1
University of Calgary	1
University of Ottawa	1
Total	**362**

Globalink:

Number of Globalink Students Hosted: **60**
Number of Globalink Fellowships: **9**

1. *Globalink* Internships by Academic Discipline

Academic Discipline	
Computer Science	4
Engineering	29
Life Sciences	17
Mathematical Sciences	2
Physical Sciences	4
Social Sciences/Arts & Humanities	4
Total	**60**

2. *Globalink* Internships by Host Institution and Country

University	India	Brazil	Mexico	China	Total
Simon Fraser University	3	2	1	6	**12**
University of British Columbia	13	6	8	6	**33**
University of Victoria	7	1	2	5	**15**
Total	23	9	11	17	**60**

3. *Globalink* Graduate Fellowships

University	Total
Simon Fraser University	2
University of British Columbia	7
Total	**9**

"Mitacs Globalink is an excellent program; it really brings a benefit to the supervisor and to the other students who work with the international students. I encourage any researcher to go ahead and apply!"
University of British Columbia's Dr. Elizabeth Croft

Elevate:

1. Number of *Elevate* Fellowships: **17**

Elevate Fellowships by Priority Area	
Advanced Manufacturing	2
Aquaculture and Fishing	1
Biotechnology	3
Education	1
Energy and Utilities	1
Forestry	1
Green/Alternative Energy	1
Health and Related Sciences and Technology	1

Information and Communications Technology	4
Natural Resources	1
Other	1
Total	**17**

2. *Elevate* Fellowships by Academic Discipline

Academic Discipline	
Business	2
Computer Science	4
Earth Sciences	1
Engineering	3
Life Sciences	4
Mathematical Sciences	1
Physical Sciences	1
Social Sciences/Arts & Humanities	1
Total	**17**

3. *Elevate* Fellowships by Host Institution

Elevate Fellowships by Host Institution	
University of British Columbia	12
Simon Fraser University	5
Total	**17**

As a participant in the rapidly changing landscape of educational publishing, it is key for AIM Language Learning to be able to stay abreast of tools and technology that facilitate education. Teachers, administrators, students, and parents are all demanding web-based content delivery and collaboration platforms. Through an Accelerate internship, UBC Masters student, Salma Kheiravar, worked with AIM to design and implement a Student Web Portal. Salma's research contributed to a design that allows students to interactively engage in activities online, in the classroom, or at home, as well as allowing teachers to easily observe students' progress. Salma has since been hired by AIM to continue her work with the Student Web Portal.

***Step*:**

Workshop Stream	Total Attendance
Business & Dining Etiquette	25
Communications	73
Entrepreneurship	23
Project Management	355
Networking	93
Presentation Skills	112
Technical Writing	21
Time Management	103
Total	**805**

Pages 142 through 144 redacted for the following reasons:
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Appendix D: Mitacs Academic Partners

Full Partners

- École de Technologie Supérieure
- McMaster University
- McGill University
- Queen's University
- Ryerson University
- Simon Fraser University
- Université de Montréal
- University of Alberta
- University of British Columbia
- University of Calgary
- University of Manitoba
- University of New Brunswick
- University of Ottawa
- University of Toronto
- University of Waterloo
- Western University

Associate Partners

- Carleton University
- Concordia University
- Dalhousie University
- Emily Carr University of Art + Design
- Memorial University of Newfoundland
- OCAD University
- Polytechnique Montréal
- Thompson Rivers University
- Trent University
- Université de Sherbrooke
- Université INRS
- University of Guelph
- University of Lethbridge
- University of Ontario Institute of Technology
- University of Saskatchewan
- University of Victoria
- University of Windsor
- Wilfrid Laurier University
- York University

Honourary Partners

- Acadia University
- Athabasca University
- Bishops University
- Cape Breton University
- Concordia University College of Alberta
- HEC Montréal
- Lakehead University
- Laurentian University
- Mount Allison University
- Mount Saint Vincent University
- Mount Sinai Hospital
- Royal Military College of Canada
- Saint Mary's University
- Saint Paul University
- St. Francis Xavier University
- TÉLUQ-Université du Québec
- Trinity Western University
- Université de Moncton
- Université du Québec à Montréal
- Université du Québec à Trois-Rivières
- Université du Québec en Abitibi Témiscaminque
- Université Laval
- University of Northern British Columbia
- University of Regina
- University of Winnipeg
- Vancouver Island University

Appendix E: Media

January 11, 2014: CKNW AM 980's Bill Good Show – Interview with Mitacs CEO and BC Minister of Advanced Education

Mitacs CEO Arvind Gupta, Minister of Advanced Education Amrik Virk, and Mitacs Accelerate intern Katie Birdsall joined host Bill Good in studio to discuss Mitacs Accelerate and the importance of connecting post-secondary students with industry for skills training.

November 24, 2013: Huffington Post BC – Emily Morris, UBC Student, Wins Mitacs Award for Outstanding Innovation

November 19, 2013: CBC Radio Vancouver's Early Edition – Interview with Mitacs Awards winner Emily Morris

November 17, 2013: Victoria Times-Colonist - UBC student wins national research honours

November 16, 2013: Vancouver Sun – UBC researcher's work on mental health stigma recognized

July 17, 2013: The Vancouver Sun - Bright brains at UBC work on new safety technology for trains

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Business Section, page 1

By Tracy Sherlock

July 10, 2013: Victoria News – Reversing the Canadian brain drain

July 9, 2013: CKNW 980's Bill Good Show – Mitacs Globalink

Mitacs CEO & Scientific Director, Arvind Gupta, and UBC Globalink student Diego Parra joined host Bill Good in studio to discuss Mitacs Globalink and the need for Canada to recruit the best and brightest international talent.

http://www.mitacs.ca/n/2013/07/cknw-980s-bill-good-show-mitacs-globalink

Background on Mitacs

Mitacs delivers the largest national academic-industry graduate research internship program in Canada. It is a national not-for-profit research organization based in British Columbia (BC), and works with the federal government and with other provinces.

Mitacs administers three main programs: Mitacs-Globalink, Mitacs-Accelerate, and Mitacs-Elevate. The programs address innovation challenges in BC and the goals of the BC Jobs Plan.

Mitacs-Globalink brings gifted international students to BC university's for research internships, offering international undergraduate students opportunities to experience living and studying in the province and to engage with BC industries.

Mitacs-Accelerate supports research internships for graduate students and post-doctoral fellows to work on applied research projects with industry, transferring new knowledge to industry partners and advancing students' careers. Participants include Canadian and international students attending BC universities, helping to provide highly skilled workers for industry.

Mitacs-Elevate creates research and development management talent through retraining post-doctoral fellows, equipping them with the skills and experience to lead and manage industrial research, development and commercialization efforts.

Since 2004, Mitacs has received over $20 million in funding support from the BC Government. While Mitacs typically requests multi-year funding commitments, support has been in the form of one-time funding commitments, usually at fiscal year end. See table below.

Date	Ministry	Mitacs Program	Amount
November 2004	Advanced Education	Graduate Student Internships (pilot)	$300,000
March 2007	Advanced Education	Accelerate	$10 million
Spring 2010	Jobs, Tourism and Innovation	Globalink	$337,500
March 2011	Jobs, Tourism and Innovation	Accelerate	$500,000
March 2011	Advanced Education	Accelerate, Globalink and Elevate	$3 million
March 2012	Advanced Education	Accelerate	$2.3 million
March 2012	Advanced Education	Globalink	$700,000
April 2013	Advanced Education	Accelerate, Globalink and Elevate	$3 million
		Total	$20.1 million

It is understood that another BC Government Ministry has recently provided one-time funding of $3 million to Mitacs for 2014/15 activities, bringing the provincial contribution to over $23 million.

As the Ministry responsible for research and innovation, the Ministry of Technology, Innovation and Citizens' Services is the primary contact for Mitacs. However, as Mitacs' programs support graduate students and international education, its activities also align with the mandate of the Minsitry of Advanced Education.

Dr. Arvind Gupta, CEO of Mitacs, has recently been announced as the new President of the University of British Columbia, effective July 1, 2014. Mitacs has indicated Dr. Robert Annan will be interim CEO and scientific director of Mitacs, effective July 1, 2014.

Prepared by the Ministry of Advanced Education, April 25, 2014

Date:	April 28, 2014
Cliff#	96857
File#	280-20/BN 2014 60310-01/GEN

MINISTRY OF ADVANCED EDUCATION
MEETING NOTE

PREPARED FOR: Honourable Amrik Virk, Minister of Advanced Education

DATE AND TIME OF MEETING: May 12, 2014, 9:15 a.m.
Room 138 Parliament Buildings

ATTENDEES: Dr. Arvind Gupta, President and Chief Executive Officer, Mitacs
Honourable Shirley Bond, Minister of Jobs, Tourism and Skills Training
Mr. Dave Byng, Deputy Minister, Jobs, Tourism and Skills Training
Ms. Sandra Carroll, Deputy Minister, Advanced Education
Ms. Bobbi Plecas, Assistant Deputy Minister, Advanced Education

ISSUE(S): Discussion of Skills Training

BACKGROUND:

This meeting has been arranged to have a discussion of Mitacs and skills training with Dr. Gupta.

Mitacs delivers the largest national academic-industry graduate research internship program in Canada. It is a national not-for-profit research organization based in British Columbia (BC). Mitacs programs are supported by 8 provinces and the federal government, with over 60 universities participating. Mitacs administers three main programs: Mitacs-Globalink, Mitacs-Accelerate, and Mitacs-Elevate. The programs address innovation challenges in BC and goals of the BC Jobs Plan.

Mitacs-Globalink brings gifted international students to BC university's for research internships, offering international undergraduate students opportunities to experience living and studying in the province and to engage with BC industries.

Mitacs-Accelerate supports research internships for graduate students and post-doctoral fellows to work on applied research projects with industry, transferring new knowledge to industry partners and advancing students' careers. Participants include Canadian and international students attending BC universities.

Mitacs-Elevate creates research and development management talent through retraining post-doctoral fellows, equipping them with the skills and experience to lead and manage industrial research, development and commercialization efforts.

Since 2004/05, the Government of BC has provided over $20 million to Mitacs. The Ministry of Advanced Education's (AVED) most recent funding was $3 million, provided in April 2013, to support Globalink, Accelerate, and Elevate. As the Ministry responsible for research and innovation, the Ministry of Technology, Innovation and Citizens' Services is the primary contact for Mitacs. However, as Mitacs' programs support graduate students, AVED's mandate is also served by support for Mitacs' programs.

Mitacs' preliminary progress report for activities from April to December 2013 indicates that the provincial investment of $3 million leveraged a $12.3 million project. Specifically, 362 Accelerate internships involving 7 BC universities and 166 industrial partners took place,

60 Globalink interns participated in the summer of 2013, and 32 Elevate fellowships are anticipated by the end of 2013/14. Demand for Accelerate internships has increased from 348 in 2012/13 to an anticipated 500 by the end of 2013/14. [1]

Mitacs also surveys its student interns and employers to determine labour market impacts. Please see Attachment 1 for a copy of Mitacs' one-pager, "Longitudinal Study Results".

DISCUSSION:

Mitacs' most recent proposal for funding, submitted to the Minister of Finance in October 2013, requested $20 million to support its programs over 3 years.

Although AVED provided funding for Mitacs' programs to the end of fiscal 2013/14, no additional AVED funding has been allocated for 2014/15. Provincial support is necessary if Mitacs programs are to continue in BC. Mitacs internships provide graduate students with opportunities to put their knowledge to work in a workplace setting and to gain on-the-job skills.

AVED staff understand the Ministry of Health has recently provided one-time funding of $3 million to Mitacs. Planning is underway for a public announcement in June.

Mitacs would like to secure on-going funding support from the BC government. To date, this has not been possible, although the possibility continues to be explored.

Dr. Gupta has recently been announced as the new President and Vice-Chancellor of the University of British Columbia, effective July 1, 2014. Mitacs has indicated Dr. Robert Annan will be interim Chief Executive Officer and scientific director of Mitacs, effective July 1, 2014.

Dr. Gupta is well recognized for his role in establishing Mitacs and developing programs that provide a bridge between university and the labour market.

SUGGESTED RESPONSE:

- Thank you for meeting with us today to discuss Mitacs' programs and their contribution to the skills needed in a range of sectors across BC. These academic/industry partnerships are an example of innovation in action.
- (If funding is requested) I regret that the Ministry of Advanced Education is unable to provide additional funding for Mitacs programs at this time. However, government remains interested in exploring further opportunities for support.

Attachment: Mitacs Accelerate: Longitudinal Study

Program Area Contact:	Connie Marczyk	**Reviewed by:**	
Phone #:	Education Officer	Director	SGB
250-387-2340	Research Universities,	Executive Director	TL
	International Education,	Assistant Deputy Minister	
	and Health Programs Branch	Deputy Minister	

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Mitacs
Inspiring innovation
Inspirer l'innovation

Mitacs Annual Report for
The British Columbia Ministry of Advanced Education
April 1, 2013 to March 31, 2014

Progress Report

In April 2013, Mitacs and the Ministry of Advanced Education extended their partnership to maintain provincial prosperity in today's knowledge economy by supporting advanced research and developing a highly educated and skilled workforce. The Government's investment of $3 million has been leveraged into a $18.7 million project with $5.1 million from the federal government, $4.6 million in direct industry investment, and $5.1 million of in-kind support.

Mitacs has delivered on the total provincial investment by December 31, 2013 with demand for *Accelerate*, *Elevate,* and *Globalink* far exceeding the provincial investment.

Specifically, the BC-Mitacs partnership objectives are to:

- Support the *BC Jobs Plan* by helping to build a modern workforce with long-term jobs that match cutting-edge knowledge with practical skills;
- Increase industry investment in research and innovation;
- Support high-quality jobs and entrepreneurship;
- Encourage the recruitment and retention of highly-trained and highly-skilled innovators and entrepreneurs;
- Leverage BC investments in research, innovation, and training with real and significant investments from private sector partners and the federal government; and
- Brand BC as a world-leading jurisdiction for research, innovation, and commercialization.

Mitacs supported a total of 503 *Accelerate* internships in BC for fiscal year 2013-14, of which 125 internships were delivered beyond the scope of funding from the Ministry. These internships involved 250 interns who undertook research collaborations with 178 industrial partners within a range of sectors including BC priority areas of Forestry, Mining, Health, and Technology. Over the past three years, Mitacs has seen an increase in delivery of more than 50% in BC. This increase in demand is beginning to exceed the provincial funding to Mitacs, which could affect delivery in BC.

Attracting the world's best and brightest since 2009, the Mitacs *Globalink* program has succeeded in showcasing the exceptional research offered by universities across Canada to over 800 international students from India, China, Brazil, and Mexico. The summer of 2013 was immensely successful for *Globalink*, with 60 of the world's top undergraduates brought to BC to participate in research projects with leading researchers at BC's universities. In addition, nine former *Globalink* participants have returned to BC to pursue graduate studies through the *Globalink* fellowship program.

Mitacs approved 38 new *Elevate* fellowships for fiscal year 2013-14. The research projects for these future industrial research and development (R&D) managers and leaders range across priority sectors including Advanced Manufacturing, Biotechnology, and Information and Communication Technology. To complement their industrial experience, *Elevate* Postdoctoral fellows (PDFs) attend training and networking events to prepare them for an effective transition from academia to industry.

In addition to valuable R&D experience gained through internships, students have the opportunity to gain business-ready skills through Mitacs' suite of Step professional skills workshops. Led by recognized industry leaders, interns acquire the necessary skill-set to make the transition from academia to industry. In 2013-14, Mitacs hosted 805 BC graduate students and postdocs at workshops that covered topics such as project management, business etiquette, and presentation skills.

Mitacs has delivered activity in British Columbia well past the contractual obligations of this agreement due to exceptional demand for Mitacs programs from industry and academia. While Mitacs has funding structures in place to temporarily ensure that Mitacs programs are available to as many of BC's top graduate students and postdoctoral fellows as possible, this model is not sustainable without increased provincial funding. To fund the program demand, Mitacs relies on university partnership fees, which inhibits Mitacs' ability to develop new initiatives to meet the R&D needs of BC industry and academia. Mitacs programs are recognized globally, and are helping to build BC's reputation as an international destination for post-secondary education. Mitacs' innovative programming is building demand for research excellence and development in BC that will result in increased skilled job opportunities.

An Accelerate internship collaboration between chART Projects and Emily Carr University of Art and Design Masters student, Jay White, set out to discover ways that data collection could be embedded into location-specific, audio-based artworks that are accessible through a smartphone application. The research has resulted in a roadmap for an innovative smartphone application for future design and implementation. In addition, Jay will continue this collaboration with chART to help see the project through to its final stages with the potential for other projects as well.

Strategic Plan

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In the 2014 federal budget, Mitacs was named as exclusive delivery agent for industrial postdoctoral training. This funding will provide additional opportunities for exceptional PDFs to gain key research and project management experience. This investment builds on top of the 2013 federal budget commitment of $13 million over two years to deliver *Globalink*, and the 2012 federal budget commitment of $35 million over five years for *Accelerate*. These investments represent significant opportunities to leverage provincial investments to deliver additional research internships and develop new opportunities with BC industry.

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Mitacs continues to focus on forward-looking opportunities to leverage federal and industrial funding through various initiatives that focus on the Government of British Columbia's commitments to research, innovation, and internationalization. Mitacs is in the pilot stages of a new program called *Converge*, a pilot program that positions Canadian firms for growth by becoming innovation suppliers to multinational enterprises (MNEs). Specifically, the program matches dynamic and innovative BC firms, primarily SMEs, with the business and innovation needs of MNEs. World-class research at BC universities is leveraged to ensure the BC firm maximizes chances of success. The result is high-value partnerships that provide MNEs access to BC's leading academic and industry researchers while dynamic BC firms grow through new international customers and global export markets. Mitacs is currently managing pilot projects with Boeing and Atlas Elektronik and is in discussions with WD to expand the pilot across western Canada.

In an effort to boost innovation across BC's economy, Mitacs has launched a targeted sector strategy, which continues to grow and produce results within BC's priority sectors. This strategy is designed to support innovation in specific sectors through targeted outreach and partnership with sector associations and to meet growing demand. As part of this initiative, Mitacs has joined the BC Mining Human Resources Task Force, which oversees and implements strategies to address the lack of qualified personnel within the mining industry. In addition, Mitacs is exploring opportunities within BC's health sector, in particular with StemCell Technologies and CRDR Ventures. These partnerships pave the way for increased collaboration between industry and academia through a targeted approach that assists companies in addressing cross-sectoral challenges. A longer term goal of our sector strategy is to foster innovation supply chains by linking the needs of larger companies with the entrepreneurship and nimbleness of smaller Canadian firms through the *Converge* pilot. These firms see Mitacs programs as turn-key solutions that can be easily incorporated by consortia as a fast, scalable, and effective way to incorporate research and training into projects of all sizes.

Mitacs also partners with leading research networks in BC to bring the research community together for program delivery, new pilot program support, and the development of new initiatives to build and enhance innovation strategies for targeted sectors. For example, Mitacs collaborates with the Michael Smith Foundation for Health Research and NeuroDevNet to examine potential R&D strategies for BC's health sector.

In addition, to address mounting demand from firms in BC, Mitacs had developed an industrial partnership strategy, which has account managers from the Business Development team focusing on key industry partners to develop proactive research initiatives that leverage the entire Mitacs academic network. Working with industry partners to streamline the establishment of long-term internship commitments through memoranda of understanding (MOUs), account managers provide direct business development support to key firms, helping them identify and establish research projects. These approaches help shape long-term commitments to integrate internships into comprehensive R&D and training strategies for the industrial partners. Due to demand for this approach, Mitacs now has a full-time account manager in BC working closely with key firms including Microsoft.

Mitacs is also in the process of working with universities to establish embedded internships into Masters' programs. This is being done in both professional and research programs. Mitacs is in discussions with over 35 programs nationally. For this fiscal year, 32 internships across the country will delivered through embedment in Masters' programs.

During a Globalink research internship at the University of British Columbia, Linda Yang from China's Central South University quickly realized she wanted to return to complete her Master's. She has fulfilled her goal, becoming an international graduate student in the Master's of Pathology and Laboratory Medicine program at UBC. As a returning Globalink student, Linda was awarded the Mitacs Globalink Graduate Fellowship which provides financial support to former Globalink Research Interns who return to Canada for graduate studies at select Mitacs university partners. Now researching under the supervision of Dr. Mark Scott, Linda is uncovering new therapeutic methods to treat cancer tumors. "Meeting Professor Scott face-to-face really solidified my decision to return to Canada. And now, I'm doing cutting edge research that could one day change the way we treat cancer." Upon completion of her degree, Linda plans to begin her career in Vancouver, continuing to do research that makes a difference.

Mitacs by the Numbers

***Accelerate*:**

Accelerate Internships by Sector	
Advanced Manufacturing	4
Aerospace	15
Agriculture and Food	14
Aquaculture and Fishing	9
Automotive	2
Biotechnology	17
Clean Technology	2
Commercial Services	8
Construction; Commercial Services; Manufacturing and Construction	6
Education	5
Energy and Utilities	14
Entertainment and Media	20
Environmental Science and Technology	30
Finance and Insurance	40
Forestry	10
Green/Alternative Energy	4
Health and Related Sciences and Technology	82
Information and Communications Technology (ICT)	51
Life Sciences	8
Manufacturing and Construction	6
Mining	13
Nanotechnology	1
Natural Resources	26
New and Digital Media	11
Other	11
Public Service, Policy, and Governance	6
Sustainability and the Environment	33
Technology	47
Tourism	6
Transportation (excluding aerospace)	2
Total	**503**

Accelerate Internships by Discipline	
Business	35
Computer Science	97
Computer Science; Social Sciences/Arts & Humanities	1
Earth Sciences	44
Engineering	111
Engineering; Computer Science	8
Life Sciences	69
Mathematical Sciences	51
Physical Sciences	28
Social Sciences/Arts & Humanities	59
Total	**503**

Accelerate Internships by University	
Carleton University	4
Concordia University	1
Dalhousie University	5
Emily Carr University of Art + Design	3
McGill University	1
Royal Roads University	13
Simon Fraser University	100
University of British Columbia	283
University of British Columbia - Okanagan	11
University of Calgary	1
University of New Brunswick	3
University of Northern British Columbia	7
University of Ottawa	1
University of Toronto	2
University of Victoria	56
University of Waterloo	4
Vancouver Island University	7
Western University	1
Grand Total	**503**

Accelerate internships by Intern Citizenship	
Canadian Citizen	267
Foreign	192
Permanent Resident	44
TOTAL	**503**

Globalink:

Number of Globalink Students Hosted: **60**
Number of Globalink Fellowships: **9**

Academic Discipline	
Computer Science	4
Engineering	29
Life Sciences	17
Mathematical Sciences	2
Physical Sciences	4
Social Sciences/Arts & Humanities	4
Total	**60**

Globalink Internships by Host Institution and Country

University	India	Brazil	Mexico	China	Total
Simon Fraser University	3	2	1	6	**12**
University of British Columbia	13	6	8	6	**33**
University of Victoria	7	1	2	5	**15**
Total	23	9	11	17	**60**

Globalink Graduate Fellowships

University	Total
Simon Fraser University	2
University of British Columbia	7
Total	**9**

"Mitacs Globalink is an excellent program; it really brings a benefit to the supervisor and to the other students who work with the international students. I encourage any researcher to go ahead and apply!"
University of British Columbia's Dr. Elizabeth Croft

Elevate:

1. Number of *Elevate* Fellowships: **38**

Elevate Fellowships by Sector	
Advanced Manufacturing	2
Aerospace	1
Aquaculture and Fishing	1
Biotechnology	4
Education	1
Energy and Utilities	2
Environmental Science and Technology	1
Finance and Insurance	6
Forestry	1
Green/Alternative Energy	1
Health and Related Sciences and Technology	2
Health Care/Life Science	1
Information and Communications Technology	6
Mining	1
Natural Resources	2
New and Digital Media	1
Ocean Tech	1
Technology	4
Total	**38**

Elevate Fellowships by Academic Discipline	
Business	2
Computer Science	7
Earth Sciences	1
Engineering	9
Life Sciences	8
Mathematical Sciences	7
Physical Sciences	2
Social Sciences/Arts & Humanities	2
Total	**38**

Elevate Fellowships by Citizenship	
Canadian Citizen	15
Foreign	11
Permanent Resident	12
Total	**38**

Elevate Fellowships by Host Institution	
University of British Columbia	27
Simon Fraser University	11
Total	**38**

As a participant in the rapidly changing landscape of educational publishing, it is key for AIM Language Learning to be able to stay abreast of tools and technology that facilitate education. Teachers, administrators, students, and parents are all demanding web-based content delivery and collaboration platforms. Through an Accelerate internship, UBC Masters student, Salma Kheiravar, worked with AIM to design and implement a Student Web Portal. Salma's research contributed to a design that allows students to interactively engage in activities online, in the classroom, or at home, as well as allowing teachers to easily observe students' progress. Salma has since been hired by AIM to continue her work with the Student Web Portal.

***Step*:**

Workshop Stream	Total Attendance
Business & Dining Etiquette	25
Communications	73
Entrepreneurship	23
Project Management	355
Networking	93
Presentation Skills	112
Technical Writing	21
Time Management	103
Total	**805**

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Appendix B: Table of *Accelerate* Internships

Industry Partner	Sector	Research Project	University	Academic Discipline	Academic Supervisor	Intern	Funder
Trojan Technologies	Environmental Science and Technology	Steering the Innovation Process: Accelerating "Ideas to Impact" in Water Treatment	University of British Columbia	Engineering	Madjid Mohseni	Mohammad Mahdi Bazri	IRDI
Boeing Canada Operations (AeroInfo Systems)	Information and Communications Technology (ICT)	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Bonnie MacKay	Industry Canada
Boeing Canada Operations (AeroInfo Systems)	Information and Communications Technology (ICT)	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Bonnie MacKay	Industry Canada
Boeing Canada Operations (AeroInfo Systems)	Information and Communications Technology (ICT)	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Derek Reilly	Bonnie MacKay	Industry Canada
Silfab Ontario	Natural Resources	Minimizing potential induced degradation in crystalline silicon based photovoltaic solar modules	University of British Columbia - Okanagan	Engineering	Stephen O'Leary	Shamsul Chowdhury	Industry Canada
Cebas Visual Technology Inc	Information and Communications Technology (ICT)	Cebas Subsurface Scattering Shaders	University of Victoria	Computer Science	Bruce Gooch	Jason Cummer	WD
StemCell Technologies Inc; BC Children's Hospital	Health and Related Sciences and Technology	Intestinal autoinflammation	University of British Columbia	Life Sciences	Laura Sly	Eyler Ngoh	WD
StemCell Technologies Inc; BC Children's Hospital	Health and Related Sciences and Technology	Intestinal autoinflammation	University of British Columbia	Life Sciences	Laura Sly	Eyler Ngoh	WD
StemCell Technologies Inc; BC Children's Hospital	Health and Related Sciences and Technology	Intestinal autoinflammation	University of British Columbia	Life Sciences	Laura Sly	Eyler Ngoh	WD
Slipstream Vehicles	Transportation	Analysis of a centrifugal fan de-	University	Engineering	Sander Calisal	Mahmoud Alidadi	WD

Ltd	(excluding aerospace)	signed for a Thrust Cushion Vehicle	of British Columbia				
Teck Highland Valley Copper Partnership	Environmental Science and Technology	Performance of cavity nesting birds breeding on reclaimed mine tailings: An individual life-history approach	University of Northern British Columbia	Social Sciences/Arts Humanities	Russell Dawson	Erin O'Brien	WD
Teck Highland Valley Copper Partnership	Environmental Science and Technology	Performance of cavity nesting birds breeding on reclaimed mine tailings: An individual life-history approach	University of Northern British Columbia	Social Sciences/Arts Humanities	Russell Dawson	Erin O'Brien	WD
Teck Highland Valley Copper Partnership	Environmental Science and Technology	Performance of cavity nesting birds breeding on reclaimed mine tailings: An individual life-history approach	University of Northern British Columbia	Social Sciences/Arts Humanities	Russell Dawson	Liana Schmader	WD
Williams and White Inc	Information and Communications Technology (ICT)	Design and integration of a robotic loading system for an automated saw grinding machine	Concordia University	Engineering	Subhash Rakheja	Vinothkumar Govindaraj	WD
STMicroelectronics Canada Inc	Information and Communications Technology (ICT)	Programming multicore systems with explicitly managed memory	Simon Fraser University (Burnaby Campus)	Computer Science	Alexandra Fedorova	Craig Mustard	IRDI
STMicroelectronics Canada Inc	Information and Communications Technology (ICT)	Programming multicore systems with explicitly managed memory	Simon Fraser University (Burnaby Campus)	Computer Science	Alexandra Fedorova	Svetozar Miucin	IRDI
Cursor Interactive Inc	Health and Related Sciences and Technology	Improving Laparoscopic training using mobile devices and interactive media with Augmented Reality (AR) technology	Simon Fraser University (Burnaby Campus)	Computer Science	Shahram Payandeh	Xiaochen Dai	WD
Williams and White Inc	Information and Communications Technology (ICT)	Developing a Revolutionary Technology for the Niche Tool Grinding Sector	Western University	Engineering	Remus Tutunea-Fatan	Kamal Mostafavi	WD
BC Cancer Agency	Health and Related Sciences and Technology	Cancer Care Coordination: A Pilot Project	University of Victoria	Social Sciences/Arts Humanities	Mary Ellen Purkis	Catherine van Mossel	WD
BC Cancer Agency	Health and Related	Cancer Care Coordination: A Pilot	University	Social Scienc-	Mary Ellen	Catherine van	WD

	Sciences and Technology	Project	of Victoria	es/Arts Humanities	Purkis	Mossel	
Team Finn Foundation; BC Cancer Agency	Health and Related Sciences and Technology	Role of ROS regulation by Hace1 in modulating "stemness" versus differentiation of stem cells	University of British Columbia	Life Sciences	Poul Sorensen	Tina Yang	WD
Team Finn Foundation; BC Cancer Agency	Health and Related Sciences and Technology	Role of ROS regulation by Hace1 in modulating "stemness" versus differentiation of stem cells	University of British Columbia	Life Sciences	Poul Sorensen	Tina Yang	WD
Sierra Wireless Inc	Information and Communications Technology (ICT)	Low-cost Machine Type Communication User Equipments for LTE (part 3)	University of British Columbia	Engineering	Lutz Lampe	Ghasem Naddafzadeh-Shirazi	WD
Sierra Wireless Inc	Information and Communications Technology (ICT)	Low-cost Machine Type Communication User Equipments for LTE (part 3)	University of British Columbia	Engineering	Lutz Lampe	Ghasem Naddafzadeh-Shirazi	WD
Aurora Scientific Corp	Technology	Process optimization andS pectroscopic Analysis of Diamond--?Like Carbon Films	Simon Fraser University (Burnaby Campus)	Physical Sciences	Gary Leach	Tarak Burai	WD
Schneider Electric of Canada (Burnaby)	Environmental Science and Technology	Diesel Generators with PhotoVoltaic (PV) Co-Generation	University of British Columbia	Engineering	William Dunford	Xu Yize	WD
AE Informatics	Health and Related Sciences and Technology	Improving Health Information System Safety: Development of Novel Approaches for Identifying, Tracking and Preventing Technology-Induced Error	University of Victoria	Computer Science	Alex Kuo	Helen Monkman	WD
AE Informatics	Health and Related Sciences and Technology	Improving Health Information System Safety: Development of Novel Approaches for Identifying, Tracking and Preventing Technology-Induced Error	University of Victoria	Computer Science	Alex Kuo	Helen Monkman	WD
AE Informatics	Health and Related Sciences and Technology	Improving Health Information System Safety: Development of Novel Approaches for Identifying, Tracking and Preventing Technology-Induced Error	University of Victoria	Computer Science	Alex Kuo	Helen Monkman	WD

CanAssist; IBM Canada Ltd	Information and Communications Technology (ICT)	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	Fayez Gebali	Sharon Lee	WD
CanAssist; IBM Canada Ltd	Information and Communications Technology (ICT)	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	Fayez Gebali	Sharon Lee	WD
CanAssist; IBM Canada Ltd	Information and Communications Technology (ICT)	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	Stephen Neville	Sharon Lee	WD
CanAssist; IBM Canada Ltd	Information and Communications Technology (ICT)	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Celina Berg	WD
CanAssist; IBM Canada Ltd	Information and Communications Technology (ICT)	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	Stephen Neville	Celina Berg	WD
CanAssist; IBM Canada Ltd	Information and Communications Technology (ICT)	CanGo- An Empowering Wayfinding Tool for Persons with Disabilities	University of Victoria	Computer Science	[Monica] Yvonne Coady	Celina Berg	WD
Kisameet Glacial Clay Inc	Natural Resources	Antimicrobial Activity of Kisameet Clay IIB	University of British Columbia	Life Sciences	Julian Davies	Sarah Svensson	WD
Alpha Technologies Ltd	Natural Resources	Energy Management System of Distributed Energy Resources	University of British Columbia	Engineering	Juri Jatskevich	Soroush Amini Akbarabadi	WD
Alpha Technologies Ltd	Natural Resources	Energy Management System of Distributed Energy Resources	University of British Columbia	Engineering	Juri Jatskevich	Soroush Amini Akbarabadi	WD
ASSESSx Technology Ltd	Health and Related Sciences and Technology	Module for characterizing the patient response to pain	University of British Columbia	Engineering	Edmond Cretu	Maan Almarghalani	WD
ATD Waste Systems Inc	Agriculture and Food	Hog Urine Treatment by Membrane Distillation	University of Ottawa	Engineering	Takeshi Matsuura	Chaoyang Feng	WD
The Vancouver Sun; NeuroDevNet	Health and Related Sciences and Technology	Growing Up With Cerebral Palsy: Transitioning from Childhood to Adolesence in the Healthcare System	University of British Columbia	Social Sciences/Arts Humanities	Judy Illes	Katelyn Verstraten	WD

Indel Therapeutics	Biotechnology	Development of novel therapeutics for multidrug-resistant bacterial pathogens by targeting indel-containing essential proteins	Simon Fraser University (Burnaby Campus)	Life Sciences	Fiona Brinkman	Erin Gill	WD
Silfab Ontario	Natural Resources	Minimizing potential induced degradation in crystalline silicon based photovoltaic solar modules	University of British Columbia - Okanagan	Engineering	Stephen O'Leary	Shamsul Chowdhury	Industry Canada
AlgaeCan Biotech Ltd	Biotechnology	Production of high-value hydrocarbons in photosynthetic microalgae	University of British Columbia	Physical Sciences	Reinhard Jetter	Lucas Busta	IRDI
Ecotrust Canada Capital	Sustainability and the Environment	Investigating the potential of a Vancouver Island Model Forest – A qualitative stakeholder analysis	University of British Columbia	Earth Sciences	Robert Kozak	Emma Berglund	WD
Tap for Tap Promotions Inc	Natural Resources	Measuring consumer response to online advertising: the case of mobile applications	University of Victoria	Social Sciences/Arts Humanities	Pascal Courty	Matt Agbay	WD
AppNovation Technologies Inc	Technology	Big Data Research for Open Source Applications	McGill University (Downtown Campus)	Computer Science	Mark Coates	Milad Kharratzadeh	WD
Neurokinetics Health Services (BC) Inc	Technology	Automated analysis of anatomical changes occurring in brain with Posttraumatic Stress Disorder	Simon Fraser University (Burnaby Campus)	Engineering	Mirza Faisal Beg	Amanmeet Garg	WD
Neurokinetics Health Services (BC) Inc	Technology	Automated analysis of anatomical changes occurring in brain with Posttraumatic Stress Disorder	Simon Fraser University (Burnaby Campus)	Engineering	Mirza Faisal Beg	Amanmeet Garg	WD
Neurokinetics Health Services (BC) Inc	Technology	Automated analysis of anatomical changes occurring in brain with Posttraumatic Stress Disorder	Simon Fraser University (Burnaby Campus)	Engineering	Mirza Faisal Beg	Amanmeet Garg	WD
Columbia Institute; LOCO BC	Other	Economic benefits of local purchasing	University of British Columbia	Business	James Tansey	Anthony Pringle	WD

MetaOptima Technology Inc	Technology	Development of a low-cost tool for skin cancer screening	Simon Fraser University (Burnaby Campus)	Computer Science	M. Stella Atkins	Mohammad Izadi	WD
Government of British Columbia (Forests and Forestry)	Sustainability and the Environment	Geomorphic changes in Russell Creek Experimental Watershed following a record rain on snow event	University of British Columbia	Social Sciences/Arts Humanities	Marwan Hassan	Leonora King	WD
Nuxalk Development Corporation	Natural Resources	Sustainable Development of Forest Resources: Nuxalk Development Corporation	University of British Columbia	Earth Sciences	Gary Bull	Nick Macleod	WD
Nuxalk Development Corporation	Natural Resources	Sustainable Development of Forest Resources: Nuxalk Development Corporation	University of British Columbia	Earth Sciences	Gary Bull	James Stephen	WD
Nuxalk Development Corporation	Natural Resources	Sustainable Development of Forest Resources: Nuxalk Development Corporation	University of British Columbia	Earth Sciences	Gary Bull	James Stephen	WD
Nuxalk Development Corporation	Natural Resources	Sustainable Development of Forest Resources: Nuxalk Development Corporation	University of British Columbia	Earth Sciences	Gary Bull	Mariko Molander	WD
Lax Kw'alaams Fishing Enterprises Ltd; Lax Kw'alaams Band	Environmental Science and Technology	Investigating the early marine dynamics of Skeena River sockeye salmon (Oncorhynchusnerka) using scale pattern analysis	Simon Fraser University (Burnaby Campus)	Earth Sciences	Jonathan Moore	Charmaine Carr-Harris	WD
AIM Language Learning	Information and Communications Technology (ICT)	Student Web Portal	University of British Columbia - Okanagan	Computer Science	Patricia Lasserre	Salma Kheiravar	WD
Fusionpipe Solutions Inc	Information and Communications Technology (ICT)	Disaster Recovery and Cloud Bursting as a Cloud Service	Simon Fraser University (Burnaby Campus)	Computer Science	Oliver Schulte	Pariya Raoufi	WD
SemiosBio Technologies Inc	Biotechnology	Synthesis of Pheromone Analopgs for the Control of Parasitic Insect Infestation	University of British Columbia	Physical Sciences	Gregory Dake	Andreas Wagner	WD
Spirit Bear Lodge	Tourism	Resource assessment for wildlife	University	Social Scienc-	Chris Dari-	Christina Service	Industry

		based ecotourism: non-invasive monitoring of black, Spirit and grizzly bears in coastal British Columbia	of Victoria	es/Arts Humanities	mont		Canada
Spirit Bear Lodge	Tourism	Resource assessment for wildlife based ecotourism: non-invasive monitoring of black, Spirit and grizzly bears in coastal British Columbia	University of Victoria	Social Sciences/Arts Humanities	Chris Darimont	Christina Service	Industry Canada
Spirit Bear Lodge	Tourism	Resource assessment for wildlife based ecotourism: non-invasive monitoring of black, Spirit and grizzly bears in coastal British Columbia	University of Victoria	Social Sciences/Arts Humanities	Chris Darimont	Christina Service	WD
Spirit Bear Lodge	Tourism	Resource assessment for wildlife based ecotourism: non-invasive monitoring of black, Spirit and grizzly bears in coastal British Columbia	University of Victoria	Social Sciences/Arts Humanities	Chris Darimont	Christina Service	WD
Spirit Bear Lodge	Tourism	Resource assessment for wildlife based ecotourism: non-invasive monitoring of black, Spirit and grizzly bears in coastal British Columbia	University of Victoria	Social Sciences/Arts Humanities	Chris Darimont	Christina Service	Industry Canada
Spirit Bear Lodge	Tourism	Resource assessment for wildlife based ecotourism: non-invasive monitoring of black, Spirit and grizzly bears in coastal British Columbia	University of Victoria	Social Sciences/Arts Humanities	Chris Darimont	Christina Service	Industry Canada
Development Action	Commercial Services	Recipient Perspectives on Private Aid in Tanzania	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Carla Funk	WD
Development Action	Commercial Services	Recipient Perspectives on Private Aid in Tanzania	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Carla Funk	WD
Development Ac-	Commercial Ser-	Recipient Perspectives on Private	Royal Roads	Social Scienc-	Leslie King	Carla Funk	Industry

tion	vices	Aid in Tanzania	University	es/Arts Humanities			Canada
Development Action	Commercial Services	Recipient Perspectives on Private Aid in Tanzania	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Carla Funk	Industry Canada
Development Action	Commercial Services	Recipient Perspectives on Private Aid in Tanzania	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Carla Funk	Industry Canada
Development Action	Commercial Services	Recipient Perspectives on Private Aid in Tanzania	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Carla Funk	Industry Canada
BBCP Conductor Inc	Energy and Utilities	The use of Carbon-Nanotube Aluminum/Copper Composite for Power Transmission Line and Inductor	University of British Columbia	Engineering	Frank Ko	Xirui Wang	WD
Mavi Innovations Inc	Technology	Mavi Mi1 Hydrokinetic Turbine Power Converter and Controller Design Review and Field Test	University of British Columbia	Engineering	William Dunford	Mofei Liu	WD
Mavi Innovations Inc	Technology	Mavi Mi1 Hydrokinetic Turbine Power Converter and Controller Design Review and Field Test	University of British Columbia	Engineering	William Dunford	Mofei Liu	WD
Haliburton Forest and Wildlife Reserve Ltd	Sustainability and the Environment	Biochar Carbon Protocol Development	University of British Columbia	Earth Sciences	Gary Bull	Kahlil Baker	Industry Canada
Microsoft Canada (Vancouver, BC)	Information and Communications Technology (ICT)	Vortex Shedding for turbulent waves in Video Games	University of British Columbia	Computer Science	Robert Bridson	Xin Xin Zhang	WD
Morningstar Enterprises Inc	Technology	Evaluation of the OISEAU Application	University of British Columbia - Okanagan	Social Sciences/Arts Humanities	Mark Holder	Maxine Crawford	WD
Gaslamp Games	Information and Communications Technology (ICT)	Managing Shared State for Video Games in a Networked Multi-core Environment	Simon Fraser University (Burnaby Campus)	Computer Science	Alexandra Fedorova	Micah Best	WD
NuWave Research	Agriculture and	Modeling Microwave Heating of	Simon Fra-	Engineering	Rodney	Ying Chen	WD

Inc	Food	Food	ser University (Burnaby Campus)		Vaughan		
NuWave Research Inc	Agriculture and Food	Modeling Microwave Heating of Food	Simon Fraser University (Burnaby Campus)	Engineering	Rodney Vaughan	Ying Chen	IRDI
NuWave Research Inc	Agriculture and Food	Modeling Microwave Heating of Food	Simon Fraser University (Burnaby Campus)	Engineering	Rodney Vaughan	Maryam Razmhosseini	Industry Canada
NuWave Research Inc	Agriculture and Food	Modeling Microwave Heating of Food	Simon Fraser University (Burnaby Campus)	Engineering	Rodney Vaughan	Maryam Razmhosseini	Industry Canada
NuWave Research Inc	Agriculture and Food	Modeling Microwave Heating of Food	Simon Fraser University (Burnaby Campus)	Engineering	Rodney Vaughan	Maryam Razmhosseini	Industry Canada
NuWave Research Inc	Agriculture and Food	Modeling Microwave Heating of Food	Simon Fraser University (Burnaby Campus)	Engineering	Rodney Vaughan	Maryam Razmhosseini	Industry Canada
CDRD Ventures Inc	Health and Related Sciences and Technology	Bioinformatic Identification of Optimal Targets and Therapeutic Antibody Development in Oncology	Simon Fraser University (Downtown Campus)	Life Sciences	Steven Jones	Daryanaz Dargahi	Industry Canada
CDRD Ventures Inc	Health and Related Sciences and Technology	Bioinformatic Identification of Optimal Targets and Therapeutic Antibody Development in Oncology	Simon Fraser University (Downtown Campus)	Life Sciences	Steven Jones	Daryanaz Dargahi	WD
CDRD Ventures Inc	Health and Related Sciences and Technology	Bioinformatic Identification of Optimal Targets and Therapeutic Antibody Development in Oncol-	Simon Fraser University (Down-	Life Sciences	Steven Jones	Daryanaz Dargahi	IRDI

		ogy	town Campus)				
CDRD Ventures Inc	Health and Related Sciences and Technology	Bioinformatic Identification of Optimal Targets and Therapeutic Antibody Development in Oncology	Simon Fraser University (Downtown Campus)	Life Sciences	Steven Jones	Daryanaz Dargahi	Industry Canada
CDRD Ventures Inc	Health and Related Sciences and Technology	Bioinformatic Identification of Optimal Targets and Therapeutic Antibody Development in Oncology	Simon Fraser University (Downtown Campus)	Life Sciences	Steven Jones	Daryanaz Dargahi	Industry Canada
CDRD Ventures Inc	Health and Related Sciences and Technology	Bioinformatic Identification of Optimal Targets and Therapeutic Antibody Development in Oncology	Simon Fraser University (Downtown Campus)	Life Sciences	Steven Jones	Daryanaz Dargahi	Industry Canada
SEF Canada	Mining	Education as a Capacity Building Mechanism to Foster Economic Development of Local Mining Communities.	University of British Columbia	Earth Sciences	Marcello Veiga	Andre Moura Xavier	WD
Vynx Design Inc	Aquaculture and Fishing	Evaluating water temperature forecasting models used to predict Fraser River sockeye salmon migration mortality	Simon Fraser University (Burnaby Campus)	Earth Sciences	Sean Cox	Jennifer Carter	WD
STT Enviro Corp	Environmental Science and Technology	Variables that affect quality of lime slurry produced in lime slaking reaction	University of British Columbia	Engineering	Bern Klein	Xin Dong	WD
STT Enviro Corp	Environmental Science and Technology	Variables that affect quality of lime slurry produced in lime slaking reaction	University of British Columbia	Engineering	Bern Klein	Xin Dong	IRDI
Gaslamp Games	Information and Communications Technology (ICT)	Managing Shared State for Video Games in a Networked Multi-core Environment	Simon Fraser University (Burnaby Campus)	Computer Science	Alexandra Fedorova	Micah Best	WD
BC Hydro (Vancou-	Natural Resources	Autonomous Energy System;	Simon Fra-	Engineering	Bozena Ka-	Reza Qarehbaghi	WD

ver, BC)		Scalable, Flexible, Light and Low Cost – part 2	ser University (Burnaby Campus)		minska		
BC Hydro (Vancouver, BC)	Natural Resources	Autonomous Energy System; Scalable, Flexible, Light and Low Cost – part 2	Simon Fraser University (Burnaby Campus)	Engineering	Bozena Kaminska	Reza Qarehbaghi	WD
Zeros2Heroes	Information and Communications Technology (ICT)	The ARGO Analytics Engine	Simon Fraser University (Surrey Campus)	Computer Science	John Bowes	Nis Bojin	WD
Zeros2Heroes	Information and Communications Technology (ICT)	The ARGO Analytics Engine	Simon Fraser University (Surrey Campus)	Computer Science	John Bowes	Milena Droumeva	WD
NuGrid Power Corporation	Energy and Utilities	Identification of Power System Security Region using PMUs (Phasor Measurement Units)	University of British Columbia	Engineering	William Dunford	Matin Rahmatian	WD
NuGrid Power Corporation	Energy and Utilities	Identification of Power System Security Region using PMUs (Phasor Measurement Units)	University of British Columbia	Engineering	William Dunford	Matin Rahmatian	IRDI
NuGrid Power Corporation	Energy and Utilities	Identification of Power System Security Region using PMUs (Phasor Measurement Units)	University of British Columbia	Engineering	William Dunford	Matin Rahmatian	Industry Canada
NuGrid Power Corporation	Energy and Utilities	Identification of Power System Security Region using PMUs (Phasor Measurement Units)	University of British Columbia	Engineering	William Dunford	Matin Rahmatian	Industry Canada
NuGrid Power Corporation	Energy and Utilities	Identification of Power System Security Region using PMUs (Phasor Measurement Units)	University of British Columbia	Engineering	William Dunford	Matin Rahmatian	Industry Canada
NuGrid Power Corporation	Energy and Utilities	Identification of Power System Security Region using PMUs (Phasor Measurement Units)	University of British Columbia	Engineering	William Dunford	Matin Rahmatian	Industry Canada
East Side Games	Entertainment and Media	Improving user experience with a social gaming platform: Identifying and adapting to significant	University of British Columbia	Computer Science	Cristina Conati	Dereck Toker	WD

		user traits and behaviors					
BC Hydro; The Freshwater Fisheries Society of BC	Aquaculture and Fishing	The effects of stress during white sturgeon early life history on larval physiology, development and olfactory sensitivity	University of British Columbia	Life Sciences	David Close	Wes Didier	WD
BC Hydro; The Freshwater Fisheries Society of BC	Aquaculture and Fishing	The effects of stress during white sturgeon early life history on larval physiology, development and olfactory sensitivity	University of British Columbia	Life Sciences	Colin Brauner	Jonathan Wong	WD
BC Hydro; The Freshwater Fisheries Society of BC	Aquaculture and Fishing	The effects of stress during white sturgeon early life history on larval physiology, development and olfactory sensitivity	University of British Columbia	Life Sciences	David Close	Junho Eom	WD
BC Hydro; The Freshwater Fisheries Society of BC	Aquaculture and Fishing	The effects of stress during white sturgeon early life history on larval physiology, development and olfactory sensitivity	University of British Columbia	Life Sciences	David Close	Wes Didier	Industry Canada
Metafor Software	Information and Communications Technology (ICT)	Investigate machine learning algorithms to detect anomalies in computing infrastructures in real-time	University of British Columbia	Computer Science	Rabab Ward	Xin Yi Yong	WD
Island Timberlands; Government of British Columbia (Forests and Forestry)	Forestry	Unpaved forest roads as a source of suspended sediment in the Honna River watershed	University of British Columbia	Social Sciences/Arts Humanities	Marwan Hassan	David Reid	WD
NEXT Exploration Inc	Other	Advanced geoscience targeting through focused machine learning	University of British Columbia	Mathematical Sciences	Eldad Haber	Justin Granek	WD
NEXT Exploration Inc	Other	Advanced geoscience targeting through focused machine learning	University of British Columbia	Mathematical Sciences	Eldad Haber	Justin Granek	IRDI
NEXT Exploration Inc	Other	Advanced geoscience targeting through focused machine learning	University of British Columbia	Mathematical Sciences	Eldad Haber	Justin Granek	Industry Canada
NEXT Exploration	Other	Advanced geoscience targeting	University	Mathematical	Eldad Haber	Justin Granek	Industry

Inc		through focused machine learning	of British Columbia	Sciences			Canada
NEXT Exploration Inc	Other	Advanced geoscience targeting through focused machine learning	University of British Columbia	Mathematical Sciences	Eldad Haber	Justin Granek	Industry Canada
NEXT Exploration Inc	Other	Advanced geoscience targeting through focused machine learning	University of British Columbia	Mathematical Sciences	Eldad Haber	Justin Granek	Industry Canada
Ledcor	Forestry	Optimizing logistics of logging debris supply for bioenergy production	University of British Columbia	Earth Sciences	Gary Bull	Saeed Ghafghazi	WD
MIRA Geoscience	Environmental Science and Technology	4D modeling of potential fields at active volcanic systems	Simon Fraser University (Burnaby Campus)	Earth Sciences	Glyn Williams-Jones	Craig Miller	IRDI
MIRA Geoscience	Environmental Science and Technology	4D modeling of potential fields at active volcanic systems	Simon Fraser University (Burnaby Campus)	Earth Sciences	Glyn Williams-Jones	Craig Miller	Industry Canada
MIRA Geoscience	Environmental Science and Technology	4D modeling of potential fields at active volcanic systems	Simon Fraser University (Burnaby Campus)	Earth Sciences	Glyn Williams-Jones	Craig Miller	Industry Canada
MIRA Geoscience	Environmental Science and Technology	4D modeling of potential fields at active volcanic systems	Simon Fraser University (Burnaby Campus)	Earth Sciences	Glyn Williams-Jones	Craig Miller	Industry Canada
MIRA Geoscience	Environmental Science and Technology	4D modeling of potential fields at active volcanic systems	Simon Fraser University (Burnaby Campus)	Earth Sciences	Glyn Williams-Jones	Craig Miller	Industry Canada
MIRA Geoscience	Environmental Science and Technology	4D modeling of potential fields at active volcanic systems	Simon Fraser University (Burnaby Campus)	Earth Sciences	Glyn Williams-Jones	Craig Miller	Industry Canada
viDA Therapeutics	Biotechnology	The effect of Granzyme B on pho-	University	Life Sciences	David Gran-	Leigh Parkinson	WD

Inc		toaging	of British Columbia (St. Paul's Hospital – ICAPTURE Centre)		ville		
viDA Therapeutics Inc	Biotechnology	The effect of Granzyme B on photoaging	University of British Columbia (St. Paul's Hospital – ICAPTURE Centre)	Life Sciences	David Granville	Leigh Parkinson	WD
viDA Therapeutics Inc	Biotechnology	The effect of Granzyme B on photoaging	University of British Columbia (St. Paul's Hospital – ICAPTURE Centre)	Life Sciences	David Granville	Leigh Parkinson	IRDI
viDA Therapeutics Inc	Biotechnology	The effect of Granzyme B on photoaging	University of British Columbia (St. Paul's Hospital – ICAPTURE Centre)	Life Sciences	David Granville	Leigh Parkinson	Industry Canada
viDA Therapeutics Inc	Biotechnology	The effect of Granzyme B on photoaging	University of British Columbia (St. Paul's Hospital – ICAPTURE Centre)	Life Sciences	David Granville	Leigh Parkinson	Industry Canada
Fullspeed Technology Inc	Nanotechnology	Colorimetric test strips for oil/fuel/ethanol mixtures	Simon Fraser University (Burna-	Physical Sciences	Paul Li	Abootaleb Sedighi	WD

			by Campus)				
chART Projects	Information and Communications Technology (ICT)	"Audio Tours" Pilot Project	Emily Carr University of Art + Design - Main Campus	Social Sciences/Arts Humanities	Susan Stewart	Jay White	WD
Creative BC; Momentum Consulting Group	Entertainment and Media	Creative BC: Strategic Design Process Research and Plan Development	University of British Columbia	Business	Moura Quayle	Angele Beausoleil	WD
Hybridity Media	Information and Communications Technology (ICT)	Circles Software and Mobile Application	Emily Carr University of Art + Design - Main Campus	Social Sciences/Arts Humanities	David Bogen	Leo Stefansson	WD
Taste of BC Aquafarms Inc	Environmental Science and Technology	Development of closed containment and aquaponics technologies for White sturgeon aquaculture	Vancouver Island University	Earth Sciences	John Morgan	Daniel Baker	WD
Taste of BC Aquafarms Inc	Environmental Science and Technology	Development of closed containment and aquaponics technologies for White sturgeon aquaculture	Vancouver Island University	Earth Sciences	John Morgan	Daniel Baker	WD
Taste of BC Aquafarms Inc	Environmental Science and Technology	Development of closed containment and aquaponics technologies for White sturgeon aquaculture	Vancouver Island University	Earth Sciences	John Morgan	Daniel Baker	WD
Taste of BC Aquafarms Inc	Environmental Science and Technology	Development of closed containment and aquaponics technologies for White sturgeon aquaculture	Vancouver Island University	Earth Sciences	John Morgan	Daniel Baker	IRDI
Taste of BC Aquafarms Inc	Environmental Science and Technology	Development of closed containment and aquaponics technologies for White sturgeon aquaculture	Vancouver Island University	Earth Sciences	John Morgan	Daniel Baker	Industry Canada
Photon Control R&D Ltd	Technology	Fiber Optic Temperature Sensors: Phosphor Deposition and Pro-	Simon Fraser Univer-	Physical Sciences	Gary Leach	Finlay MacNab	Industry Canada

		cessing Improvements	sity (Burnaby Campus)				
Photon Control R&D Ltd	Technology	Fiber Optic Temperature Sensors: Phosphor Deposition and Processing Improvements	Simon Fraser University (Burnaby Campus)	Physical Sciences	Gary Leach	Finlay MacNab	Industry Canada
Photon Control R&D Ltd	Technology	Fiber Optic Temperature Sensors: Phosphor Deposition and Processing Improvements	Simon Fraser University (Burnaby Campus)	Physical Sciences	Gary Leach	Finlay MacNab	Industry Canada
FuseForward	Technology	Real-time Energy Analytics for Distributed Facilities	University of British Columbia	Computer Science	Victor Leung	Hasen Nicanfar	WD
Taste of BC Aquafarms Inc	Environmental Science and Technology	Development of closed containment and aquaponics technologies for White sturgeon aquaculture	Vancouver Island University	Earth Sciences	John Morgan	Daniel Baker	IRDI
Fraser Valley Biogas Inc	Clean Technology	Identification of Optimum Digestate Management Option for an Anaerobic Digester in the Fraser Valley	University of British Columbia - Okanagan	Engineering	Cigdem Eskicioglu	Muneer Ahmad	WD
BC Hydro; City of Surrey	Energy and Utilities	Making the Business Case for Using Development Cost Charges for Climate Mitigation	University of British Columbia	Social Sciences/Arts Humanities	Tim McDaniels	Polly Ng	IRDI
FuseForward	Technology	Real-time Energy Analytics for Distributed Facilities	University of British Columbia	Computer Science	Victor Leung	Hasen Nicanfar	Industry Canada
FuseForward	Technology	Real-time Energy Analytics for Distributed Facilities	University of Northern British Columbia	Computer Science	Jernej Polajnar	Denish Mumbaiwala	Industry Canada
FuseForward	Technology	Real-time Energy Analytics for Distributed Facilities	University of Northern British Columbia	Computer Science	Jernej Polajnar	Denish Mumbaiwala	WD
FuseForward	Technology	Real-time Energy Analytics for	University	Computer Sci-	Victor Leung	Kaveh Shafiee	Industry

		Distributed Facilities	of British Columbia	ence			Canada
FuseForward	Technology	Real-time Energy Analytics for Distributed Facilities	University of British Columbia	Computer Science	Victor Leung	Kaveh Shafiee	Industry Canada
FuseForward	Technology	Real-time Energy Analytics for Distributed Facilities	University of British Columbia	Computer Science	Victor Leung	Kaveh Shafiee	Industry Canada
Fantan Group Inc	Sustainability and the Environment	Sanitation: enabling sustainable community change in riverine communities of the Niger Delta, Nigeria	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Nancy Gilbert	WD
Fantan Group Inc	Sustainability and the Environment	Sanitation: enabling sustainable community change in riverine communities of the Niger Delta, Nigeria	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Nancy Gilbert	IRDI
Fantan Group Inc	Sustainability and the Environment	Sanitation: enabling sustainable community change in riverine communities of the Niger Delta, Nigeria	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Nancy Gilbert	Industry Canada
Fantan Group Inc	Sustainability and the Environment	Sanitation: enabling sustainable community change in riverine communities of the Niger Delta, Nigeria	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Nancy Gilbert	Industry Canada
Fantan Group Inc	Sustainability and the Environment	Sanitation: enabling sustainable community change in riverine communities of the Niger Delta, Nigeria	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Nancy Gilbert	Industry Canada
Fantan Group Inc	Sustainability and the Environment	Sanitation: enabling sustainable community change in riverine communities of the Niger Delta, Nigeria	Royal Roads University	Social Sciences/Arts Humanities	Leslie King	Nancy Gilbert	Industry Canada
Novex Delivery Solutions	Transportation (excluding aerospace)	Incorporating Same-Day Delivery into Retail Industry	University of British Columbia	Business	James Tansey	Evguenia Hart	WD
City of Coquitlam	Sustainability and	Evaluating the "Open Standards	Simon Fra-	Social Scienc-	Murray B.	Gillian Fielding	Provin-

	the Environment	for the Practice of Conservation" framework: A case study of the Coquitlam River Watershed Roundtable management plan	ser University (Burnaby Campus)	es/Arts Humanities	Rutherford		cial
VectorBlox Computing Inc	Information and Communications Technology (ICT)	FPGA-based Vector Processors for Compute Acceleration	University of British Columbia	Engineering	Guy Lemieux	Aaron Severance	WD
VectorBlox Computing Inc	Information and Communications Technology (ICT)	FPGA-based Vector Processors for Compute Acceleration	University of British Columbia	Engineering	Guy Lemieux	Aaron Severance	IRDI
VectorBlox Computing Inc	Information and Communications Technology (ICT)	FPGA-based Vector Processors for Compute Acceleration	University of British Columbia	Engineering	Guy Lemieux	Aaron Severance	Industry Canada
VectorBlox Computing Inc	Information and Communications Technology (ICT)	FPGA-based Vector Processors for Compute Acceleration	University of British Columbia	Engineering	Guy Lemieux	Aaron Severance	Industry Canada
VectorBlox Computing Inc	Information and Communications Technology (ICT)	FPGA-based Vector Processors for Compute Acceleration	University of British Columbia	Engineering	Guy Lemieux	Aaron Severance	Industry Canada
VectorBlox Computing Inc	Information and Communications Technology (ICT)	FPGA-based Vector Processors for Compute Acceleration	University of British Columbia	Engineering	Guy Lemieux	Aaron Severance	Industry Canada
Marpole Business Association	Commercial Services	chart:Public Art Marpole 2.0	Emily Carr University of Art + Design - Main Campus	Social Sciences/Arts Humanities	Cameron Cartiere	Jill Banting	WD
Greater Vancouver Home Builders' Association	Construction	From Hammers to Homes: a housing development report for Metro Vancouver	Simon Fraser University (Downtown Campus)	Earth Sciences	Meg Holden	Terry Sidhu	WD
Greater Vancouver Home Builders' Association	Construction	From Hammers to Homes: a housing development report for Metro Vancouver	Simon Fraser University (Downtown Cam-	Earth Sciences	Meg Holden	Terry Sidhu	Provincial

			pus)				
Zeros2Heroes	Information and Communications Technology (ICT)	The ARGO Analytics Engine	Simon Fraser University (Surrey Campus)	Computer Science	John Bowes	Ruiwei Jiang	WD
Boeing Canada Operations (AeroInfo Systems)	Aerospace	Centre for Operations Excellence Summer Internship Cluster 2013	University of British Columbia	Business	Derek Atkins	Melissa Lee	WD
Vancouver International Airport	Aerospace	Centre for Operations Excellence Summer Internship Cluster 2013	University of British Columbia	Business	Derek Atkins	Alex Akulov	WD
Fraser Health Authority	Aerospace	Centre for Operations Excellence Summer Internship Cluster 2013	University of British Columbia	Business	Derek Atkins	Amanda Yuen	WD
Fraser Health Authority	Aerospace	Centre for Operations Excellence Summer Internship Cluster 2013	University of British Columbia	Business	Derek Atkins	Raluca Mic	WD
Boeing Canada Operations (AeroInfo Systems)	Aerospace	Centre for Operations Excellence Summer Internship Cluster 2013	University of British Columbia	Business	Derek Atkins	Jan Schnider	WD
Tree Island	Aerospace	Centre for Operations Excellence Summer Internship Cluster 2013	University of British Columbia	Business	Derek Atkins	Rene Lagos	WD
WorkSafeBC (Vancouver, BC)	Aerospace	Centre for Operations Excellence Summer Internship Cluster 2013	University of British Columbia	Business	Derek Atkins	Sandy Pan	WD
TELUS (Scarborough, ON)	Aerospace	Centre for Operations Excellence Summer Internship Cluster 2013	University of British Columbia	Business	Derek Atkins	Victor Rios	WD
Nexterra Energy Corp; Government of Canada Agriculture and Agri-Food Canada; BioFuelNet	Technology	Modeling logistics for supply of bioenergy feedstock	University of British Columbia	Engineering	Shahab Sokhansanj	Ehsan Oveisi	WD
Nexterra Energy Corp; Government	Technology	Modeling logistics for supply of bioenergy feedstock	University of British	Engineering	Shahab Sokhansanj	David Zamar	WD

of Canada Agriculture and Agri-Food Canada; BioFuelNet			Columbia				
Nexterra Energy Corp; Government of Canada Agriculture and Agri-Food Canada; BioFuelNet	Technology	Modeling logistics for supply of bioenergy feedstock	University of British Columbia	Engineering	Shahab Sokhansanj	David Zamar	IRDI
Nexterra Energy Corp; Government of Canada Agriculture and Agri-Food Canada; BioFuelNet	Technology	Modeling logistics for supply of bioenergy feedstock	University of British Columbia	Engineering	Shahab Sokhansanj	David Zamar	WD
Nexterra Energy Corp; Government of Canada Agriculture and Agri-Food Canada; BioFuelNet	Technology	Modeling logistics for supply of bioenergy feedstock	University of British Columbia	Engineering	Shahab Sokhansanj	Ehsan Oveisi	IRDI
Nexterra Energy Corp; Government of Canada Agriculture and Agri-Food Canada; BioFuelNet	Technology	Modeling logistics for supply of bioenergy feedstock	University of British Columbia	Engineering	Shahab Sokhansanj	Ehsan Oveisi	WD
Blueprime Technology Management Solutions Inc	Energy and Utilities	Development of Technology Management Tools for Assessing Emerging Energy Storage Technologies	University of Waterloo	Engineering; Computer Science	Jatin Nathwani	Kourosh Malek	IRDI
Osler Systems Management Inc	Technology	Cloud-based Reengineering and Interoperability of a Primary Care EMR	University of Victoria	Computer Science	Jens Weber	Fieran Mason-Blakley	IRDI
Osler Systems Management Inc	Technology	Cloud-based Reengineering and Interoperability of a Primary Care EMR	University of Victoria	Computer Science	Jens Weber	Fieran Mason-Blakley	IRDI
Twothirds Water Inc	Environmental Science and Technology	A Guide to Government Grant Applications	University of British Columbia	Earth Sciences	Thomas Hellmann	Shannon Cumming	IRDI

Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Elliot Holtham	Industry Canada
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Mike McMillan	IRDI
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Mike McMillan	Industry Canada
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Mike McMillan	Industry Canada
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Archa Rowan Cockett	IRDI
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	David Merchant	IRDI
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Archa Rowan Cockett	Industry Canada
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Archa Rowan Cockett	Industry Canada
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Elliot Holtham	Industry Canada
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Elliot Holtham	Industry Canada
Blueprime Technology Management Solutions Inc	Energy and Utilities	Development of Technology Management Tools for Assessing Emerging Energy Storage Technologies	University of Waterloo	Engineering; Computer Science	Jatin Nathwani	Kourosh Malek	Industry Canada
Zeros2Heroes	Information and Communications	The ARGO Analytics Engine	Simon Fraser Univer-	Computer Science	John Bowes	Milena Droumeva	IRDI

	Technology (ICT)		sity (Surrey Campus)				
Powertech Labs Inc	Energy and Utilities	Multi-Service IPv6 Networking for Metering, Distribution Automation and Future Applications: Capacity Evaluation	Simon Fraser University (Burnaby Campus)	Engineering	Rodney Vaughan	Milad Amir	IRDI
FP Innovations; Tolko Industries Ltd	Construction	Multivariate random effects model for Integrated measurement of green veneer thickness and roughness	University of British Columbia	Mathematical Sciences	Lang Wu	Hongbin Zhang	IRDI
Kelowna Band Surgery – Kluftinger Surgical Inc	Health and Related Sciences and Technology	Psychosocial Determinants of Bariatric Surgical Candidates and Outcomes	University of British Columbia	Life Sciences	Gareth Jones	Keith Brewster	IRDI
Kelowna Band Surgery – Kluftinger Surgical Inc	Health and Related Sciences and Technology	Psychosocial Determinants of Bariatric Surgical Candidates and Outcomes	University of British Columbia	Life Sciences	Gareth Jones	Keith Brewster	Industry Canada
Kelowna Band Surgery – Kluftinger Surgical Inc	Health and Related Sciences and Technology	Psychosocial Determinants of Bariatric Surgical Candidates and Outcomes	University of British Columbia	Life Sciences	Gareth Jones	Keith Brewster	Industry Canada
Kelowna Band Surgery – Kluftinger Surgical Inc	Health and Related Sciences and Technology	Psychosocial Determinants of Bariatric Surgical Candidates and Outcomes	University of British Columbia	Life Sciences	Gareth Jones	Keith Brewster	Industry Canada
Kelowna Band Surgery – Kluftinger Surgical Inc	Health and Related Sciences and Technology	Psychosocial Determinants of Bariatric Surgical Candidates and Outcomes	University of British Columbia	Life Sciences	Gareth Jones	Keith Brewster	Industry Canada
Memelabs	Information and Communications Technology (ICT)	Intelligent Scaleable Contest Platform	University of British Columbia	Computer Science	Gail Murphy	Sarah Rastkar	IRDI
Function Point Productivity Software Inc	Information and Communications Technology (ICT)	An Holistic Approach to Complex UX Design	Simon Fraser University (Burnaby Campus)	Social Sciences/Arts Humanities	Steve DiPaolo	Sara Salevati	IRDI
New Gold Inc	Mining	Industry & University Partnership in Developing Highly Qualified People to Address the Human Resources Challenge of the Glob-	University of British Columbia	Engineering	Malcolm Scoble	Masaki Miyoshi	IRDI

		al Mining Industry					
Coastal Shellfish Corporation	Aquaculture and Fishing	Financial Governance and Modelling for Coastal Shellfish Corporation Strategic Plan	University of British Columbia	Business	James Tansey	Rehan Ali	WD
HC TISS	Sustainability and the Environment	Sustainable Engineering Design Audit (SEDA) Part II: Investigations in implementing environmental accounting at engineering companies in major Canadian cities	University of British Columbia	Engineering	Walter Merida	Landon Gardner	IRDI
HC TISS	Sustainability and the Environment	Sustainable Engineering Design Audit (SEDA) Part II: Investigations in implementing environmental accounting at engineering companies in major Canadian cities	University of British Columbia	Engineering	Walter Merida	Landon Gardner	Industry Canada
HC TISS	Sustainability and the Environment	Sustainable Engineering Design Audit (SEDA) Part II: Investigations in implementing environmental accounting at engineering companies in major Canadian cities	University of British Columbia	Engineering	Walter Merida	Tayber Yastremski	IRDI
HC TISS	Sustainability and the Environment	Sustainable Engineering Design Audit (SEDA) Part II: Investigations in implementing environmental accounting at engineering companies in major Canadian cities	University of British Columbia	Engineering	Walter Merida	Tayber Yastremski	IRDI
HC TISS	Sustainability and the Environment	Sustainable Engineering Design Audit (SEDA) Part II: Investigations in implementing environmental accounting at engineering companies in major Canadian cities	University of British Columbia	Engineering	Walter Merida	Frank Liu	IRDI
HC TISS	Sustainability and the Environment	Sustainable Engineering Design Audit (SEDA) Part II: Investigations in implementing environ-	University of British Columbia	Engineering	Walter Merida	Frank Liu	IRDI

		mental accounting at engineering companies in major Canadian cities					
Sea Breeze Power Corp	Green/Alternative Energy	Observations of atmospheric stability and three dimensional turbulence for wind energy development applications	University of British Columbia	Earth Sciences	Andreas Christen	Ben Crawford	IRDI
Sea Breeze Power Corp	Green/Alternative Energy	Observations of atmospheric stability and three dimensional turbulence for wind energy development applications	University of British Columbia	Earth Sciences	Andreas Christen	Ben Crawford	IRDI
Sea Breeze Power Corp	Green/Alternative Energy	Observations of atmospheric stability and three dimensional turbulence for wind energy development applications	University of British Columbia	Earth Sciences	Andreas Christen	Ben Crawford	Industry Canada
Mount Polley Mining Corporation (Vancouver, BC)	Mining	Pre-concentration of Mount Polley copper ore	University of British Columbia	Physical Sciences	Bern Klein	Libin Tong	IRDI
Mount Polley Mining Corporation (Vancouver, BC)	Mining	Pre-concentration of Mount Polley copper ore	University of British Columbia	Physical Sciences	Bern Klein	Esau Arinaitwe	IRDI
RackForce	Information and Communications Technology (ICT)	cyberSKA II: Scientific test and verification of multi-node distributed infrastructure for data-intensive radio astronomy	University of Calgary	Computer Science	A.R. Taylor	Sukhpreet Guram	IRDI
Greenville Enterprises Inc	Education	Greenville Enterprises Five-Year Strategic Plan	University of British Columbia	Business	James Tansey	Carolyn Beaumont	IRDI
Pantoscope Media Inc	Entertainment and Media	Smartphone-based Real-Time Automatic Image Tagging	University of British Columbia	Computer Science	Jane Wang	Zhenyu Guo	IRDI
Pantoscope Media Inc	Entertainment and Media	Smartphone-based Real-Time Automatic Image Tagging	University of British Columbia	Computer Science	Jane Wang	Zhenyu Guo	IRDI
Pantoscope Media Inc	Entertainment and Media	Smartphone-based Real-Time Automatic Image Tagging	University of British	Computer Science	Jane Wang	Jiannan Zheng	IRDI

			Columbia				
Pantoscope Media Inc	Entertainment and Media	Smartphone-based Real-Time Automatic Image Tagging	University of British Columbia	Computer Science	Jane Wang	Jiannan Zheng	IRDI
BCGold Corp	Mining	Gold mineralization at the Engineer Mine, northern British Columbia: Its causes and consequences for local and regional gold exploration	University of British Columbia	Earth Sciences	Lee Groat	Leo Millonig	Industry Canada
Teck Ltd (Trail, BC)	Mining	Fugitive lead emissions study for the Trail smelting operation	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	John Stockie	Bamdad Hosseini	IRDI
Teck Ltd (Trail, BC)	Mining	Fugitive lead emissions study for the Trail smelting operation	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	John Stockie	Bamdad Hosseini	IRDI
Pulse Energy	Information and Communications Technology (ICT)	Multidimensional Energy Consumption Analysis in Large Organizations: An Information Visualization Design Study	University of British Columbia	Computer Science	Tamara Munzner	Matthew Brehmer	IRDI
Sierra Wireless Inc	Technology	New Carrier Types and Services for Long-term Evolution (LTE) Machine-Type Communication(MTC)	University of British Columbia	Engineering	Lutz Lampe	Naveen Balasubramanya	IRDI
Sierra Wireless Inc	Technology	New Carrier Types and Services for Long-term Evolution (LTE) Machine-Type Communication(MTC)	University of British Columbia	Engineering	Lutz Lampe	Naveen Balasubramanya	IRDI
Sierra Wireless Inc	Technology	New Carrier Types and Services for Long-term Evolution (LTE) Machine-Type Communication(MTC)	University of British Columbia	Engineering	Lutz Lampe	Naveen Balasubramanya	Industry Canada
Sierra Wireless Inc	Technology	New Carrier Types and Services for Long-term Evolution (LTE) Machine-Type Communica-	University of British Columbia	Engineering	Lutz Lampe	Naveen Balasubramanya	Industry Canada

		tion(MTC)					
Sierra Wireless Inc	Technology	New Carrier Types and Services for Long-term Evolution (LTE) Machine-Type Communication(MTC)	University of British Columbia	Engineering	Lutz Lampe	Naveen Balasubramanya	Industry Canada
Sierra Wireless Inc	Technology	New Carrier Types and Services for Long-term Evolution (LTE) Machine-Type Communication(MTC)	University of British Columbia	Engineering	Lutz Lampe	Naveen Balasubramanya	Industry Canada
Boeing Canada Operations (AeroInfo Systems)	Information and Communications Technology (ICT)	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	University of British Columbia	Computer Science	Rodger Lea	Roberto Calderon	Industry Canada
Boeing Canada Operations (AeroInfo Systems)	Information and Communications Technology (ICT)	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	University of British Columbia	Computer Science	Rodger Lea	Roberto Calderon	Industry Canada
Vernacular Design	Construction	Laneway Revitalization in Canada: Possibilities, Challenges & Solutions	Simon Fraser University (Burnaby Campus)	Earth Sciences	Mark Roseland	Larissa Ardis	IRDI
Malaspina Labs	Technology	Linguistic Cues for Heuristic Determination of Patterns of Speech in Noise	University of British Columbia	Social Sciences/Arts Humanities	Molly Babel	Michael McAuliffe	WD
Team Finn Foundation; BC Cancer Agency	Health and Related Sciences and Technology	Investigation into the role of YB-1 in childhood sarcomas	University of British Columbia	Life Sciences	Poul Sorensen	Amal El-Naggar	Provincial
Team Finn Foundation; BC Cancer Agency	Health and Related Sciences and Technology	Investigation into the role of YB-1 in childhood sarcomas	University of British Columbia	Life Sciences	Poul Sorensen	Amal El-Naggar	Provincial
Team Finn Foundation; BC Cancer Agency	Health and Related Sciences and Technology	Investigation into the role of YB-1 in childhood sarcomas	University of British Columbia	Life Sciences	Poul Sorensen	Amal El-Naggar	Provincial
Powertech Labs Inc	Energy and Utilities	Capacity Planning and Optimization of WiMAX for Smart Grid	University of British Columbia	Engineering	Lutz Lampe	Fariba Aalamifar	IRDI

Habanero Consulting Group	Information and Communications Technology (ICT)	Employee Engagement Research	University of British Columbia	Business	Paul Cubbon	Marty Stanowich	IRDI
Schneider Electric of Canada (Burnaby)	Environmental Science and Technology	Diesel Generators with Photo Voltaic (PV) Co-Generation	University of British Columbia	Engineering	William Dunford	Xu Yize	WD
Conifex Timber Inc	Green/Alternative Energy	Business Transformation: Forest Firms	University of British Columbia	Earth Sciences	David Cohen	William Nikolakis	WD
Creative BC; Momentum Consulting Group	Entertainment and Media	Creative BC: Strategic Design Process Research and Plan Development	University of British Columbia	Business	Moura Quayle	Angele Beausoleil	WD
Team Finn Foundation	Health and Related Sciences and Technology	A Study of the Molecular Mechanisms Underlying Pediatric Medulloblastoma Mediated By YB-1	University of British Columbia	Life Sciences	Poul Sorensen	Daniel Radiloff	Provincial
Team Finn Foundation	Health and Related Sciences and Technology	A Study of the Molecular Mechanisms Underlying Pediatric Medulloblastoma Mediated By YB-1	University of British Columbia	Life Sciences	Poul Sorensen	Daniel Radiloff	Provincial
Team Finn Foundation	Health and Related Sciences and Technology	A Study of the Molecular Mechanisms Underlying Pediatric Medulloblastoma Mediated By YB-1	University of British Columbia	Life Sciences	Poul Sorensen	Daniel Radiloff	Provincial
BuiltSpace Technologies Inc	Sustainability and the Environment	Building Information Modeling for Facility Operations	University of British Columbia	Computer Science	Sheryl Staub-French	Puyan Zadeh	WD
BuiltSpace Technologies Inc	Sustainability and the Environment	Building Information Modeling for Facility Operations	University of British Columbia	Computer Science	Sheryl Staub-French	Puyan Zadeh	IRDI
BuiltSpace Technologies Inc	Sustainability and the Environment	Building Information Modeling for Facility Operations	University of British Columbia	Computer Science	Sheryl Staub-French	Puyan Zadeh	IRDI
BuiltSpace Technologies Inc	Sustainability and the Environment	Building Information Modeling for Facility Operations	University of British Columbia	Computer Science	Sheryl Staub-French	Puyan Zadeh	Industry Canada
BuiltSpace Technologies Inc	Sustainability and the Environment	Building Information Modeling for Facility Operations	University of British Columbia	Computer Science	Sheryl Staub-French	Puyan Zadeh	Industry Canada

BuiltSpace Technologies Inc	Sustainability and the Environment	Building Information Modeling for Facility Operations	University of British Columbia	Computer Science	Sheryl Staub-French	Puyan Zadeh	Industry Canada
PromoChrom Technologies Ltd	Health and Related Sciences and Technology	On-line solid phase extraction sample preparation for instrumental chemical analysis	University of British Columbia	Physical Sciences	David Chen	Lingyu Wang	IRDI
PromoChrom Technologies Ltd	Health and Related Sciences and Technology	On-line solid phase extraction sample preparation for instrumental chemical analysis	University of British Columbia	Physical Sciences	David Chen	Lingyu Wang	Industry Canada
PromoChrom Technologies Ltd	Health and Related Sciences and Technology	On-line solid phase extraction sample preparation for instrumental chemical analysis	University of British Columbia	Physical Sciences	David Chen	Lingyu Wang	Industry Canada
PromoChrom Technologies Ltd	Health and Related Sciences and Technology	On-line solid phase extraction sample preparation for instrumental chemical analysis	University of British Columbia	Physical Sciences	David Chen	Lingyu Wang	Industry Canada
PromoChrom Technologies Ltd	Health and Related Sciences and Technology	On-line solid phase extraction sample preparation for instrumental chemical analysis	University of British Columbia	Physical Sciences	David Chen	Lingyu Wang	Industry Canada
PromoChrom Technologies Ltd	Health and Related Sciences and Technology	On-line solid phase extraction sample preparation for instrumental chemical analysis	University of British Columbia	Physical Sciences	David Chen	Lingyu Wang	Industry Canada
Vidigami Media Inc	Entertainment and Media	Using machine learning methods to improve image suggestion and image retrieval results	Simon Fraser University (Burnaby Campus)	Computer Science	Greg Mori	Amirhossein Bakhtiarikouhsorkhi	IRDI
Mercedes-Benz Canada Inc	Automotive	Qualification and Validation of Robust Functionality of a Test-Bench for Evaluation of GDL Properties under Series-Processing Conditions	University of British Columbia	Engineering	Walter Merida	Maximilian Schwager	IRDI
Seon Design Inc	Technology	Development of Sensors-based Driving Behavior Monitoring System	Simon Fraser University (Burnaby Campus)	Engineering	Jie Liang	Siyu Wu	IRDI
Christie Digital	Technology	Compressive Superresolution Projector	University of British	Computer Science	Wolfgang Heidrich	James Gregson	IRDI

			Columbia				
IBM Canada Ltd (Markham, ON)	Information and Communications Technology (ICT)	Personal Analytics to Enhance Smarter Commerce	University of Victoria	Computer Science	Margaret-Anne Storey	Elena Voyloshnikova	IRDI
IBM Canada Ltd (Markham, ON)	Information and Communications Technology (ICT)	Personal Analytics to Enhance Smarter Commerce	University of Victoria	Computer Science	Margaret-Anne Storey	Elena Voyloshnikova	IRDI
Comply Works	Forestry	Integrating aboriginal perspectives into health, safety and environmental compliance systems	University of British Columbia	Earth Sciences	Gary Bull	Chelsea Nilhausen	IRDI
Comply Works	Forestry	Integrating aboriginal perspectives into health, safety and environmental compliance systems	University of British Columbia	Earth Sciences	Gary Bull	Chelsea Nilhausen	IRDI
Comply Works	Forestry	Integrating aboriginal perspectives into health, safety and environmental compliance systems	University of British Columbia	Earth Sciences	Gary Bull	Molly Moshofsky	IRDI
Mathtoons Media Inc	Entertainment and Media	Exploration of Authoring Features to Facilitate Rapid Creation of STEM Subject Content in Mobile Practice Applications	University of British Columbia - Okanagan	Mathematical Sciences	Shawn Wang	Yipin Guo	IRDI
Scotiabank; Ombudsperson for Banking Services and Investments	Finance and Insurance	Elder Financial Abuse: What role should banks and financial institutions play regarding intervention in cases of suspected financial abuse, involving power of attorney arrangements?	University of Victoria	Social Sciences/Arts Humanities	Jerry McHale	Kelly Watson	IRDI
Center for Drug Research and Development	Health and Related Sciences and Technology	Validating RSK as a molecular target for the treatment of cancer	University of British Columbia	Life Sciences	Sandra Dunn	Natalie Firmino	Provincial
Prefail Dental Solutions	Biotechnology	Enhancement of the Performance of the Prefail's Implant Health Monitoring System	Simon Fraser University (Burnaby Campus)	Engineering	Siamak Arzanpour	Ahmed Ballo	IRDI
Prefail Dental Solutions	Biotechnology	Enhancement of the Performance of the Prefail's Implant Health Monitoring System	Simon Fraser University (Burna-	Engineering	Siamak Arzanpour	Ahmed Ballo	IRDI

			by Campus)				
Iter	Education	Building Social Community Integration	University of Victoria	Social Sciences/Arts Humanities	Raymond Siemens	Matthew Hiebert	Provincial
Iter	Education	Building Social Community Integration	University of Victoria	Social Sciences/Arts Humanities	Raymond Siemens	Maggie Shirley	Provincial
Recon Instruments Inc	Technology	Fabrication and Testing of a Microlens Array Optical System	University of British Columbia	Engineering	Boris Stoeber	Hongbae Sam Park	IRDI
Canadian Aquaculture Industry Alliance; BC Seafood Alliance; BC Shellfish Growers Association	Aquaculture and Fishing	Have You Eaten Any Fish Today? Understanding Why Canadians Don't Eat Canada's Food Guide Recommended Two Servings Per Week	Vancouver Island University	Business	Grant Murray	Kelsey Wolff	Provincial
Comply Works	Forestry	Integrating aboriginal perspectives into health, safety and environmental compliance systems	University of British Columbia	Earth Sciences	Gary Bull	Molly Moshofsky	IRDI
1Qbit	Finance and Insurance	The Communicative Challenges and Implications of Quantum Computing	Carleton University	Social Sciences/Arts Humanities	Chris Russill	Derek Noon	IRDI
1Qbit	Finance and Insurance	The Communicative Challenges and Implications of Quantum Computing	Carleton University	Social Sciences/Arts Humanities	Chris Russill	Derek Noon	IRDI
Esdilagh Development Corporation	Agriculture and Food	Esdilagh Development Corporation Business Action Plan Research and Development	Simon Fraser University (Beedie School of Business)	Business	Mark Selman	Corey Rich	IRDI
Esdilagh Development Corporation	Agriculture and Food	Esdilagh Development Corporation Business Action Plan Research and Development	Simon Fraser University (Beedie School of Business)	Business	Mark Selman	Corey Rich	IRDI
Esdilagh Develop-	Agriculture and	Esdilagh Development Corpora-	Simon Fra-	Business	Mark Selman	Tamara Goddard	IRDI

ment Corporation	Food	tion Business Action Plan Research and Development	ser University (Beedie School of Business)				
Esdilagh Development Corporation	Agriculture and Food	Esdilagh Development Corporation Business Action Plan Research and Development	Simon Fraser University (Beedie School of Business)	Business	Mark Selman	Tamara Goddard	IRDI
Esdilagh Development Corporation	Agriculture and Food	Esdilagh Development Corporation Business Action Plan Research and Development	Simon Fraser University (Beedie School of Business)	Business	Mark Selman	Cal Albright	IRDI
Esdilagh Development Corporation	Agriculture and Food	Esdilagh Development Corporation Business Action Plan Research and Development	Simon Fraser University (Beedie School of Business)	Business	Mark Selman	Cal Albright	IRDI
GreenScene Agritek Inc	Agriculture and Food	Investigating process conditions and product quality in the recycling of used horse bedding	University of British Columbia	Engineering	Anthony Lau	Xiao He	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors	University of British Columbia	Mathematical Sciences	Brian Marcus	Raimundo Briceño	Industry Canada
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors	University of British Columbia	Mathematical Sciences	Brian Marcus	Pooya Ronagh	Industry Canada
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors	University of British Columbia	Mathematical Sciences	Vikram Krishnamurthy	Maryam Abolfath-Beygi-Dezfooli	Industry Canada
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors	University of British Columbia	Mathematical Sciences	Robert Raussendorf	Arman Zaribafiyan	Industry Canada
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors	University of British	Mathematical Sciences	Robert Raussendorf	Poya Haghnegahdar	Industry Canada

			Columbia				
Goalcam Technologies Ltd	Technology	Development of a Bike Anti-theft Device Based on GSM and GPS Technology	Simon Fraser University (Burnaby Campus)	Engineering	Mehrdad Moallem	Farzad Hamidi	IRDI
Goalcam Technologies Ltd	Technology	Development of a Bike Anti-theft Device Based on GSM and GPS Technology	Simon Fraser University (Burnaby Campus)	Engineering	Mehrdad Moallem	Farzad Hamidi	IRDI
MyTiCon Timber Connectors Inc	Manufacturing and Construction	Design Guidance for Cross-Laminated-Timber Structures using Self Tapping Screws	University of British Columbia	Engineering	Thomas Tannert	Afrin Hossein	IRDI
MyTiCon Timber Connectors Inc	Manufacturing and Construction	Design Guidance for Cross-Laminated-Timber Structures using Self Tapping Screws	University of British Columbia	Engineering	Thomas Tannert	Afrin Hossein	Industry Canada
MyTiCon Timber Connectors Inc	Manufacturing and Construction	Design Guidance for Cross-Laminated-Timber Structures using Self Tapping Screws	University of British Columbia	Engineering	Thomas Tannert	Afrin Hossein	Industry Canada
MyTiCon Timber Connectors Inc	Manufacturing and Construction	Design Guidance for Cross-Laminated-Timber Structures using Self Tapping Screws	University of British Columbia	Engineering	Thomas Tannert	Afrin Hossein	Industry Canada
MyTiCon Timber Connectors Inc	Manufacturing and Construction	Design Guidance for Cross-Laminated-Timber Structures using Self Tapping Screws	University of British Columbia	Engineering	Thomas Tannert	Afrin Hossein	Industry Canada
MyTiCon Timber Connectors Inc	Manufacturing and Construction	Design Guidance for Cross-Laminated-Timber Structures using Self Tapping Screws	University of British Columbia	Engineering	Thomas Tannert	Afrin Hossein	Industry Canada
Novex Delivery Solutions	Commercial Services	Same-Day Delivery Strategy into Retail Industry	University of British Columbia	Business	James Tansey	Evguenia Hart	IRDI
Zeros2Heroes	Information and Communications Technology (ICT)	The ARGO Analytics Engine	Simon Fraser University (Surrey Campus)	Computer Science	John Bowes	Ruiwei Jiang	IRDI
PenderFund Capital Management Inc	Finance and Insurance	Advancing Strategic Design for Identity Finding in the Financial	University of British	Business	Moura Quayle	Noelle Harvey	Industry Canada

		Services Industry	Columbia				
ReSync Consulting Ltd	Health and Related Sciences and Technology	Development of advanced tools to measure and train neuromechanic aspects of movement technique in rhythmic sports: use of technology to optimize performance.	University of Victoria	Physical Sciences	Marc Klimstra	Matt Jensen	IRDI
ReSync Consulting Ltd	Health and Related Sciences and Technology	Development of advanced tools to measure and train neuromechanic aspects of movement technique in rhythmic sports: use of technology to optimize performance.	University of Victoria	Physical Sciences	Marc Klimstra	Matt Jensen	IRDI
ReSync Consulting Ltd	Health and Related Sciences and Technology	Development of advanced tools to measure and train neuromechanic aspects of movement technique in rhythmic sports: use of technology to optimize performance.	University of Victoria	Physical Sciences	Marc Klimstra	Matt Jensen	Industry Canada
ReSync Consulting Ltd	Health and Related Sciences and Technology	Development of advanced tools to measure and train neuromechanic aspects of movement technique in rhythmic sports: use of technology to optimize performance.	University of Victoria	Physical Sciences	Marc Klimstra	Matt Jensen	Industry Canada
ReSync Consulting Ltd	Health and Related Sciences and Technology	Development of advanced tools to measure and train neuromechanic aspects of movement technique in rhythmic sports: use of technology to optimize performance.	University of Victoria	Physical Sciences	Marc Klimstra	Matt Jensen	Industry Canada
ReSync Consulting Ltd	Health and Related Sciences and Technology	Development of advanced tools to measure and train neuromechanic aspects of movement technique in rhythmic sports: use of technology to optimize performance.	University of Victoria	Physical Sciences	Marc Klimstra	Matt Jensen	Industry Canada

Temenos Software Canada	Finance and Insurance	Customer Intelligence Predictive Models: Customer Attrition, Loyalty Scoring and Next Best Offer	University of Waterloo	Mathematical Sciences	Yulia Gel	Vyacheslav Lyubchich	IRDI
Temenos Software Canada	Finance and Insurance	Customer Intelligence Predictive Models: Customer Attrition, Loyalty Scoring and Next Best Offer	University of Waterloo	Mathematical Sciences	Yulia Gel	Vyacheslav Lyubchich	IRDI
Fortius Institute Inc	Life Sciences (not health)	The Effect of a Cadence Modification Program on Foot Strike Patterns, Impact Loading, and Muscle Activation among Runners	University of British Columbia	Life Sciences	Michael Hunt	Christopher Napier	WD
Fortius Institute Inc	Life Sciences (not health)	The Effect of a Cadence Modification Program on Foot Strike Patterns, Impact Loading, and Muscle Activation among Runners	University of British Columbia	Life Sciences	Michael Hunt	Christopher Napier	WD
Fortius Institute Inc	Life Sciences (not health)	The Effect of a Cadence Modification Program on Foot Strike Patterns, Impact Loading, and Muscle Activation among Runners	University of British Columbia	Life Sciences	Michael Hunt	Christopher Napier	Industry Canada
Fortius Institute Inc	Life Sciences (not health)	The Effect of a Cadence Modification Program on Foot Strike Patterns, Impact Loading, and Muscle Activation among Runners	University of British Columbia	Life Sciences	Michael Hunt	Christopher Napier	Industry Canada
Fortius Institute Inc	Life Sciences (not health)	The Effect of a Cadence Modification Program on Foot Strike Patterns, Impact Loading, and Muscle Activation among Runners	University of British Columbia	Life Sciences	Michael Hunt	Christopher Napier	Industry Canada
Fortius Institute Inc	Life Sciences (not health)	The Effect of a Cadence Modification Program on Foot Strike Patterns, Impact Loading, and Muscle Activation among Runners	University of British Columbia	Life Sciences	Michael Hunt	Christopher Napier	Industry Canada
Atlantic Industries Limited; Government of British Columbia (Transportation and Infrastructure)	Construction	Calibration of numerical model of the three-stage corrosion process of galvanized steel reinforcements in Mechanically Stabilized Earth	University of British Columbia	Engineering	Akram Alfantazi	Claudia Aide Soriano Vazquez	IRDI

Atlantic Industries Limited; Government of British Columbia (Transportation and Infrastructure)	Construction	Calibration of numerical model of the three-stage corrosion process of galvanized steel reinforcements in Mechanically Stabilized Earth	University of British Columbia	Engineering	Akram Alfantazi	Claudia Aide Soriano Vazquez	IRDI
TechBA (Vancouver, BC)	Other	TechBA: Strategic Design Process Research and Business Innovation Modeling	University of British Columbia	Business	Moura Quayle	Angele Beausoleil	IRDI
McKesson Canada (Richmond, BC)	Technology	Data Anonymization for Medical Records	Simon Fraser University (Burnaby Campus)	Computer Science	Anoop Sarkar	Baskaran Sankaran	IRDI
FORTIS British Columbia	Energy and Utilities	An Analysis of Power Pole Foundation Conditions	University of British Columbia - Okanagan	Engineering	Rehan Sadiq	Mandana Ghanyei	IRDI
BC Children's Hospital; Life Technologies (Canada); Michael Cuccione Foundation for Childhood Cancer Research	Health and Related Sciences and Technology	Establishment, characterization, and directed differentiation of induced pluripotent stem cells for the improved treatment and understanding of pediatric brain tumors	University of British Columbia	Life Sciences	Christopher Maxwell	Marisa Connell	IRDI
BC Children's Hospital; Life Technologies (Canada); Michael Cuccione Foundation for Childhood Cancer Research	Health and Related Sciences and Technology	Establishment, characterization, and directed differentiation of induced pluripotent stem cells for the improved treatment and understanding of pediatric brain tumors	University of British Columbia	Life Sciences	Christopher Maxwell	Marisa Connell	IRDI
BC Children's Hospital; Life Technologies (Canada); Michael Cuccione Foundation for Childhood Cancer	Health and Related Sciences and Technology	Establishment, characterization, and directed differentiation of induced pluripotent stem cells for the improved treatment and understanding of pediatric brain tumors	University of British Columbia	Life Sciences	Christopher Maxwell	Marisa Connell	Industry Canada

Research							
BC Children's Hospital; Life Technologies (Canada); Michael Cuccione Foundation for Childhood Cancer Research	Health and Related Sciences and Technology	Establishment, characterization, and directed differentiation of induced pluripotent stem cells for the improved treatment and understanding of pediatric brain tumors	University of British Columbia	Life Sciences	Christopher Maxwell	Marisa Connell	Industry Canada
BC Children's Hospital; Life Technologies (Canada); Michael Cuccione Foundation for Childhood Cancer Research	Health and Related Sciences and Technology	Establishment, characterization, and directed differentiation of induced pluripotent stem cells for the improved treatment and understanding of pediatric brain tumors	University of British Columbia	Life Sciences	Christopher Maxwell	Marisa Connell	Industry Canada
BC Children's Hospital; Life Technologies (Canada); Michael Cuccione Foundation for Childhood Cancer Research	Health and Related Sciences and Technology	Establishment, characterization, and directed differentiation of induced pluripotent stem cells for the improved treatment and understanding of pediatric brain tumors	University of British Columbia	Life Sciences	Christopher Maxwell	Marisa Connell	Industry Canada
NGRAIN	Information and Communications Technology (ICT)	The Automation of System Assembly Recognition	University of Toronto	Computer Science	Karan Singh	Jiaqi Han	IRDI
NGRAIN	Information and Communications Technology (ICT)	The Automation of System Assembly Recognition	University of Toronto	Computer Science	Karan Singh	Jiaqi Han	IRDI
Goalcam Technologies Ltd	Technology	Development of a Bike Anti-theft Device Based on GSM and GPS Technology	Simon Fraser University (Burnaby Campus)	Engineering	Mehrdad Moallem	Farzad Hamidi	Industry Canada
Boeing Canada Operations (AeroInfo Systems)	Information and Communications Technology (ICT)	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	University of British Columbia	Computer Science	Sidney Fels	Matthew Fong	IRDI

Heiltsuk Tribal Council; Haida Enterprise Corporation	Public Service, Policy, and Governance	First Nations Entrepreneurship Development, Capacity Building and Governance: Applied Perspectives	Simon Fraser University (Beedie School of Business)	Business	Mark Selman	Dawid Nogas	IRDI
Business 2 Mobile Communications Inc	Health and Related Sciences and Technology	Industrial Health and Safety Data Management and Training Mobile Platform	Royal Roads University	Business	Terrance Power	Chiragkumar Khasia	IRDI
Ecotrust Canada Capital	Finance and Insurance	Pay for Performance Intervention Funding	Simon Fraser University (Beedie School of Business)	Business	Mark Wexler	Geordan Hankinson	IRDI
Landsong Heritage Consulting Ltd; Yellowstone to Yukon Conservation Initiative	Sustainability and the Environment	Design of a Spatially-Based Conservation Decision-Making Platform for the Peace River Break	University of Northern British Columbia	Social Sciences/Arts Humanities	Pamela Wright	Timothy Burkhart	IRDI
SRK Consulting Canada	Mining	Dynamic analysis of tailings dams using advanced constitutive models	University of British Columbia	Engineering; Computer Science	Mahdi Taiebat	Andres Barrero	IRDI
SRK Consulting Canada	Mining	Dynamic analysis of tailings dams using advanced constitutive models	University of British Columbia	Engineering; Computer Science	Mahdi Taiebat	Andres Barrero	IRDI
SRK Consulting Canada	Mining	Dynamic analysis of tailings dams using advanced constitutive models	University of British Columbia	Engineering; Computer Science	Mahdi Taiebat	Andres Barrero	Industry Canada
SRK Consulting Canada	Mining	Dynamic analysis of tailings dams using advanced constitutive models	University of British Columbia	Engineering; Computer Science	Mahdi Taiebat	Andres Barrero	Industry Canada
SRK Consulting Canada	Mining	Dynamic analysis of tailings dams using advanced constitutive models	University of British Columbia	Engineering; Computer Science	Mahdi Taiebat	Andres Barrero	Industry Canada
SRK Consulting Canada	Mining	Dynamic analysis of tailings dams using advanced constitutive models	University of British Columbia	Engineering; Computer Science	Mahdi Taiebat	Andres Barrero	Industry Canada

Vivity Labs	Entertainment and Media	Can brain fitness mobile apps really make you smarter?	University of British Columbia	Life Sciences	Catharine Rankin	Conny Hsin-Cheng Lin	IRDI
Recon Instruments Inc	Technology	Middleware infrastructure for processing of big spatial data on Spark	University of British Columbia	Computer Science	Eric Wohlstadter	Reza Harikandeh	WD
Curatio	Health and Related Sciences and Technology	Developing a new healthcare app for patients with a particular chronic disease	Simon Fraser University (Surrey Campus)	Social Sciences/Arts Humanities	Ron Wakkary	Leila Aflatoony	IRDI
GeoVerse Inc	Health and Related Sciences and Technology	Lie Group Statistical Analysis of Human Movement	University of Victoria	Computer Science	Peter Driessen	Bernie Till	IRDI
GeoVerse Inc	Health and Related Sciences and Technology	Lie Group Statistical Analysis of Human Movement	University of Victoria	Computer Science	Peter Driessen	Bernie Till	Industry Canada
GeoVerse Inc	Health and Related Sciences and Technology	Lie Group Statistical Analysis of Human Movement	University of Victoria	Computer Science	Peter Driessen	Bernie Till	Industry Canada
PlaceSpeak Inc	Technology	Evaluation of Online Urban Futures Survey for Metro Vancouver	Simon Fraser University (Downtown Campus)	Social Sciences/Arts Humanities	Meg Holden	Jacint Simon	IRDI
International Characters inc	Technology	High Performance Regular Expression Matching Using Parallel Bit Stream Technology	Simon Fraser University (Surrey Campus)	Computer Science	Nick Sumner	Dale Denis	IRDI
InStream Fisheries Research Inc	Aquaculture and Fishing	Modeling water temperatures in the Fraser River watershed network	Simon Fraser University (Burnaby Campus)	Earth Sciences	Jonathan Moore	Michael Beakes	IRDI
Ecotrust Canada Capital	Aquaculture and Fishing	Business Modeling for Fisheries Monitoring at Ecotrust Canada	Simon Fraser University (Beedie School of	Business	Mark Wexler	Joanna Kipp	IRDI

			Business)				
Junior Achievement of BC; Coast Capital Savings Credit Union; Junior Achievement of Canada	Education	Enrichment Materials for Dollars with Sense curriculum	University of British Columbia	Social Sciences/Arts Humanities	Victoria Lemieux	Mary Connolly	IRDI
Moovee Innovation Inc	Automotive	Automatic Blind Spot Detection System for an Urban Vehicle	Simon Fraser University (Burnaby Campus)	Engineering	Kamal Gupta	Alireza Hekmati	IRDI
BC Children's Hospital	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Todd Woodward	Fern Jaspers-Fayer	Provincial
BC Children's Hospital	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Todd Woodward	Fern Jaspers-Fayer	Provincial
BC Children's Hospital	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Todd Woodward	Nicole Sanford	Provincial
BC Children's Hospital	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Todd Woodward	Nicole Sanford	Provincial
BC Children's Hospital	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Evelyn Stewart	Juliana Negreiros	IRDI
BC Children's Hospital	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Todd Woodward	Fern Jaspers-Fayer	Provincial
BC Children's Hospi-	Health and Related	Phase I: Using simultaneous EEG-	Simon Fra-	Life Sciences	Mario Liotti	Killian Kleffner-	Provin-

tal	Sciences and Technology	fMRI to study the affective mechanisms underlying obsessive compulsive disorder	ser University (Burnaby Campus)			Canucci	cial
BC Children's Hospital	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	Simon Fraser University (Burnaby Campus)	Life Sciences	Mario Liotti	Killian Kleffner-Canucci	Provincial
BC Children's Hospital	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Todd Woodward	Fern Jaspers-Fayer	Provincial
Fusionpipe Solutions Inc	Information and Communications Technology (ICT)	Disaster Recovery and Cloud Bursting as a Cloud Service	Simon Fraser University (Burnaby Campus)	Computer Science	Oliver Schulte	Ildar Muslukhov	IRDI
Spectrum Resource Group Inc (BC)	Forestry	The efficacy of fall and burn operations on the erradication of mountain pine beetle (Dendroctonus ponderosae) in Alberta	University of British Columbia	Physical Sciences	Allan Carroll	Janson Wong	IRDI
Photon Control R&D Ltd	Technology	Fiber Optic Temperature Sensors: Phosphor Deposition and Processing Improvements	Simon Fraser University (Burnaby Campus)	Physical Sciences	Gary Leach	Finlay MacNab	WD
Greenheart Canopy Walkway Company Ltd	Entertainment and Media	Research and Development of Ultra-portable Modulus Structures	University of British Columbia	Engineering	Tony Yang	Dorian Tung	IRDI
Greenheart Canopy Walkway Company Ltd	Entertainment and Media	Research and Development of Ultra-portable Modulus Structures	University of British Columbia	Engineering	Tony Yang	Dorian Tung	IRDI
Greenheart Canopy Walkway Company Ltd	Entertainment and Media	Research and Development of Ultra-portable Modulus Structures	University of British Columbia	Engineering	Tony Yang	Dorian Tung	Industry Canada
Greenheart Canopy Walkway Company Ltd	Entertainment and Media	Research and Development of Ultra-portable Modulus Structures	University of British Columbia	Engineering	Tony Yang	Dorian Tung	Industry Canada
Greenheart Canopy	Entertainment and	Research and Development of	University	Engineering	Tony Yang	Dorian Tung	Industry

Walkway Company Ltd	Media	Ultra-portable Modulus Structures	of British Columbia				Canada
Greenheart Canopy Walkway Company Ltd	Entertainment and Media	Research and Development of Ultra-portable Modulus Structures	University of British Columbia	Engineering	Tony Yang	Dorian Tung	Industry Canada
Greenheart Canopy Walkway Company Ltd	Entertainment and Media	Research and Development of Ultra-portable Modulus Structures	University of British Columbia	Engineering	Tony Yang	Yuanjie Li	IRDI
Greenheart Canopy Walkway Company Ltd	Entertainment and Media	Research and Development of Ultra-portable Modulus Structures	University of British Columbia	Engineering	Tony Yang	Yuanjie Li	IRDI
Greenheart Canopy Walkway Company Ltd	Entertainment and Media	Research and Development of Ultra-portable Modulus Structures	University of British Columbia	Engineering	Tony Yang	Jeremy Atkinson	Industry Canada
Greenheart Canopy Walkway Company Ltd	Entertainment and Media	Research and Development of Ultra-portable Modulus Structures	University of British Columbia	Engineering	Tony Yang	Jeremy Atkinson	Industry Canada
Heart Force Medical Inc	Biotechnology	Automatic Segmentation of SCG Signal for Ischemic Patients	Simon Fraser University (Burnaby Campus)	Engineering	Carlo Menon	Farzad Khosrowkhavar	IRDI
Physicians Data Collective; Applied Information for Health Society; Osler Systems Management Inc	Health and Related Sciences and Technology	Cooperative Primary Healthcare Data Sharing and Analytics Network Infrastructure	University of Victoria	Computer Science	Jens Weber	Iryna Davies	IRDI
Physicians Data Collective; Applied Information for Health Society; Osler Systems Management Inc	Health and Related Sciences and Technology	Cooperative Primary Healthcare Data Sharing and Analytics Network Infrastructure	University of Victoria	Computer Science	Jens Weber	Dennis Lee	IRDI
Physicians Data Collective; Applied Information for	Health and Related Sciences and Technology	Cooperative Primary Healthcare Data Sharing and Analytics Network Infrastructure	University of Victoria	Computer Science	Jens Weber	Fieran Mason-Blakley	Industry Canada

Health Society; Osler Systems Management Inc							
Physicians Data Collective; Applied Information for Health Society; Osler Systems Management Inc	Health and Related Sciences and Technology	Cooperative Primary Healthcare Data Sharing and Analytics Network Infrastructure	University of Victoria	Computer Science	Jens Weber	Iryna Davies	Industry Canada
Center for Drug Research and Development	Health and Related Sciences and Technology	Validating RSK as a molecular target for the treatment of cancer	University of British Columbia	Life Sciences	Sandra Dunn	Natalie Firmino	Provincial
Mathtoons Media Inc	Education	Targeting achievement in higher-order thinking and STEM: An inter professional approach	University of British Columbia - Okanagan	Social Sciences/Arts Humanities	Susan Crichton	Deb Carter	IRDI
Lululemon Athletica	Other	A comparison of heart rate variability and brain activation during emotional regulation in athletic groups	University of British Columbia	Life Sciences	Lara Boyd	Katie Wadden	IRDI
GE Healthcare (London, ON)	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Todd Woodward	Fern Jaspers-Fayer	Provincial
GE Healthcare (London, ON)	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Todd Woodward	Fern Jaspers-Fayer	Provincial
GE Healthcare (London, ON)	Health and Related Sciences and Technology	Phase I: Using simultaneous EEG-fMRI to study the affective mechanisms underlying obsessive compulsive disorder	University of British Columbia	Life Sciences	Todd Woodward	Fern Jaspers-Fayer	Provincial
Exro Technologies	Clean Technology	Commercialization of Exro Technologies' VIEG Technology	Simon Fraser University (Beedie School of	Business	Elicia Maine	Mitun Bhattacharyya	IRDI

			Business)				
Boeing Canada Operations (AeroInfo Systems)	Aerospace	From visual analysis to visual analytics	University of British Columbia	Computer Science	Brian Fisher	Linda Kaastra	IRDI
Boeing Canada Operations (AeroInfo Systems)	Aerospace	From visual analysis to visual analytics	University of British Columbia	Computer Science	Brian Fisher	Linda Kaastra	IRDI
Boeing Canada Operations (AeroInfo Systems)	Aerospace	From visual analysis to visual analytics	University of British Columbia	Computer Science	Brian Fisher	Nadya Calderon	IRDI
Boeing Canada Operations (AeroInfo Systems)	Aerospace	From visual analysis to visual analytics	University of British Columbia	Computer Science	Brian Fisher	Nadya Calderon	IRDI
Boeing Canada Operations (AeroInfo Systems)	Aerospace	From visual analysis to visual analytics	University of British Columbia	Computer Science	Brian Fisher	Ethan Soutar-Rau	IRDI
Boeing Canada Operations (AeroInfo Systems)	Aerospace	From visual analysis to visual analytics	University of British Columbia	Computer Science	Brian Fisher	Ethan Soutar-Rau	IRDI
Tsawwassen First Nation; Tsawwassen First Nation Economic Development Corporation	Public Service, Policy, and Governance	Tsawwassen First Nation Post Treaty Community Well-Being Study	University of British Columbia	Social Sciences/Arts Humanities	Ralph Matthews	Kamila Kolpashnikova	IRDI
Tsawwassen First Nation; Tsawwassen First Nation Economic Development Corporation	Public Service, Policy, and Governance	Tsawwassen First Nation Post Treaty Community Well-Being Study	University of British Columbia	Social Sciences/Arts Humanities	Ralph Matthews	Kamila Kolpashnikova	IRDI
NovoBind Therapeutics Inc	Life Sciences (not health)	Antibody Analysis	University of British Columbia	Life Sciences	Brett Finlay	Katelyn Knuff	IRDI
Health Technology Connex	Health and Related Sciences and	Brain wave investigation of the neural monitoring measurement	Simon Fraser Univer-	Engineering	Carolyn Sparrey	Sujoy Hajra	IRDI

	Technology	stability	sity (Surrey Campus)				
Boeing Canada Operations (AeroInfo Systems)	Information and Communications Technology (ICT)	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Kirstie Hawkey	Huiyuan Zhou	IRDI
Boeing Canada Operations (AeroInfo Systems)	Information and Communications Technology (ICT)	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	Dalhousie University	Computer Science	Kirstie Hawkey	Huiyuan Zhou	IRDI
Aurel Systems	Technology	CADSIM Plus simulator, evolutionary algorithms, rule based expert system, neural network.	University of British Columbia	Engineering	Lutz Lampe	Ahmed Imtiaz	IRDI
IBM Canada Ltd (Burnaby, BC)	Health and Related Sciences and Technology	Usability analysis and guideline development for user interface design in a public health information system	University of Victoria	Computer Science	Andre Kushniruk	Danica Tuden	WD
IBM Canada Ltd (Burnaby, BC)	Health and Related Sciences and Technology	Usability analysis and guideline development for user interface design in a public health information system	University of Victoria	Computer Science	Andre Kushniruk	Allen McLean	WD
Youneeq	New and Digital Media	Adaptive Visualization for Analysis of Customer Behaviour	University of Victoria	Computer Science	Melanie Tory	Maria-Elena Froese	IRDI
Youneeq	New and Digital Media	Adaptive Visualization for Analysis of Customer Behaviour	University of Victoria	Computer Science	Melanie Tory	Maria-Elena Froese	IRDI
BC Hydro (Burnaby, BC)	Environmental Science and Technology	Optimal Numerical-Weather-Prediction Parameters for Wind-Power Forecasting	University of British Columbia	Earth Sciences	Roland Stull	Jesse Mason	IRDI
BC Hydro (Burnaby, BC)	Environmental Science and Technology	Optimal Numerical-Weather-Prediction Parameters for Wind-Power Forecasting	University of British Columbia	Earth Sciences	Roland Stull	Jesse Mason	IRDI
BC Hydro (Burnaby, BC)	Environmental Science and Technology	Optimal Numerical-Weather-Prediction Parameters for Wind-Power Forecasting	University of British Columbia	Earth Sciences	Roland Stull	David Siuta	IRDI
BC Hydro (Burnaby, BC)	Environmental Science and Tech-	Optimal Numerical-Weather-Prediction Parameters for Wind-	University of British	Earth Sciences	Roland Stull	David Siuta	IRDI

	nology	Power Forecasting	Columbia				
Radial Games Corp	New and Digital Media	DevBrawl – Investigation of game design with cognitive analysis in multi-player games	Simon Fraser University (Downtown Campus)	Computer Science; Social Sciences/Arts Humanities	Kimberly Voll	Rafael Vázquez	IRDI
Gaslamp Games	New and Digital Media	Managing Shared State for Video Games in a Networked Multi-core Environment Renewal	Simon Fraser University (Burnaby Campus)	Computer Science	Alexandra Fedorova	Micah Best	IRDI
BC Hydro (Burnaby, BC)	Environmental Science and Technology	Optimal Numerical-Weather-Prediction Parameters for Wind-Power Forecasting	University of British Columbia	Earth Sciences	Roland Stull	Banafshah Afshar	IRDI
MetaOptima Technology Inc	Health and Related Sciences and Technology	Design and Development of a Mobile-based Medical Image Archiving System for Skin Cancer Screening	Simon Fraser University (Burnaby Campus)	Computer Science	M. Stella Atkins	Bardia Mohabbati	IRDI
East Side Games	New and Digital Media	Improving user engagement with a social network gaming platform: Identifying and adapting to significant user traits and behaviors	University of British Columbia	Computer Science	Cristina Conati	Dereck Toker	IRDI
East Side Games	New and Digital Media	Improving user engagement with a social network gaming platform: Identifying and adapting to significant user traits and behaviors	University of British Columbia	Computer Science	Cristina Conati	Dereck Toker	IRDI
East Side Games	New and Digital Media	Improving user engagement with a social network gaming platform: Identifying and adapting to significant user traits and behaviors	University of British Columbia	Computer Science	Cristina Conati	Dereck Toker	Industry Canada
East Side Games	New and Digital Media	Improving user engagement with a social network gaming platform: Identifying and adapting to significant user traits and behav-	University of British Columbia	Computer Science	Cristina Conati	Dereck Toker	Industry Canada

		iors					
East Side Games	New and Digital Media	Improving user engagement with a social network gaming platform: Identifying and adapting to significant user traits and behaviors	University of British Columbia	Computer Science	Cristina Conati	Dereck Toker	Industry Canada
East Side Games	New and Digital Media	Improving user engagement with a social network gaming platform: Identifying and adapting to significant user traits and behaviors	University of British Columbia	Computer Science	Cristina Conati	Dereck Toker	Industry Canada
The Angler's Atlas	Information and Communications Technology (ICT)	Extending and refining the original automated text mining algorithm for an initial market trial	University of Northern British Columbia	Computer Science	Liang Chen	Negar Hassanpour	Industry Canada
Boeing Canada Operations (AeroInfo Systems)	Aerospace	Decision Making Using Multi-Criterion Decision Analysis	University of British Columbia	Computer Science	David Poole	Sanjana Bajracharya	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Robert Raussendorf	Arman Zaribafiyan	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Robert Raussendorf	Poya Haghneghdar	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Robert Raussendorf	Poya Haghneghdar	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Kai Behrend	Pooya Ronagh	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Kai Behrend	Pooya Ronagh	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Ozgur Yilmaz	Navid Ghadermarzy	IRDI

1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Karthik Pattabiraman	Majid Dadashikelayeh	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Karthik Pattabiraman	Majid Dadashikelayeh	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Eldad Haber	Gili Rosenberg	Industry Canada
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Eldad Haber	Gili Rosenberg	Industry Canada
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Eldad Haber	Gili Rosenberg	Industry Canada
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Philip Stamp	Maritza Hernandez-Gaete	Industry Canada
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Philip Stamp	Maritza Hernandez-Gaete	Industry Canada
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Philip Stamp	Maritza Hernandez-Gaete	Industry Canada
Malaspina Labs	Health and Related Sciences and Technology	Linguistic Cues for Heuristic Determination of Patterns of Speech in Noise	University of British Columbia	Life Sciences	Molly Babel	Michael McAuliffe	IRDI
Murdoch de Greeff; Real Estate Foundation of BC	Environmental Science and Technology	Nurturing Landscapes: Bringing together ecology, education and design in the creation of stormwater management systems on school grounds	University of Victoria	Earth Sciences	Valentin Schaefer	Catherine Orr	IRDI
Murdoch de Greeff; Real Estate Foundation of BC	Environmental Science and Technology	Nurturing Landscapes: Bringing together ecology, education and design in the creation of stormwater management systems on	University of Victoria	Earth Sciences	Valentin Schaefer	Catherine Orr	IRDI

		school grounds					
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	Bojan Mohar	Seyed Saeed Changiz Rezaei	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	Petr Lisonek	Vijaykumar Singh	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Alejandro Adem	Galo Rojo	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	Daniel Lee	Jaspreet Oberoi	IRDI
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Beedie School of Business)	Mathematical Sciences	Andrey Pavlov	Ehsan Seyedin	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	Abraham Punnen	Xueying Shen	WD
Business Objects SAP	Technology	Understanding Event-based Interactions in Enterprise Web Applications	University of British Columbia	Engineering	Ali Mesbah	Saba Jani	WD
City of Victoria; Aqua-Tex Scientific Consulting Ltd	Environmental Science and Technology	Rainy Day Solutions: Enhancing Rain Gardens	University of Victoria	Earth Sciences	Valentin Schaefer	Cara Hernould	IRDI
Tutela Technologies Ltd; Wesley Clover International Corp	Finance and Insurance	Market and Technology Roadmap Validation Framework for Software Services	University of Victoria	Business	Brent Mainprize	Richard Egli	IRDI
Tutela Technologies Ltd; Wesley Clover	Finance and Insurance	Market and Technology Roadmap Validation Framework for Soft-	University of Victoria	Business	Brent Mainprize	Richard Egli	Industry Canada

International Corp		ware Services					
Surrey Fluid Power Ltd	Advanced Manufacturing	Mechanical design and improvement of modular Stable Vertical Lift Platform (SVLP)	Simon Fraser University (Surrey Campus)	Engineering	Krishna Vijayaraghavan	Behzad Abdi	WD
Surrey Fluid Power Ltd	Advanced Manufacturing	Mechanical design and improvement of modular Stable Vertical Lift Platform (SVLP)	Simon Fraser University (Surrey Campus)	Engineering	Krishna Vijayaraghavan	Behzad Abdi	WD
Center for Drug Research and Development	Biotechnology	Exploring the potential of chemical suppressors of nonsense mutations for treatment of multiple genetic disorders	University of British Columbia	Life Sciences	Michel Roberge	Alireza Baradaran-Heravi	Provincial
Center for Drug Research and Development	Biotechnology	Exploring the potential of chemical suppressors of nonsense mutations for treatment of multiple genetic disorders	University of British Columbia	Life Sciences	Michel Roberge	Alireza Baradaran-Heravi	Provincial
Center for Drug Research and Development	Biotechnology	Exploring the potential of chemical suppressors of nonsense mutations for treatment of multiple genetic disorders	University of British Columbia	Life Sciences	Michel Roberge	Alireza Baradaran-Heravi	Provincial
Center for Drug Research and Development	Biotechnology	Exploring the potential of chemical suppressors of nonsense mutations for treatment of multiple genetic disorders	University of British Columbia	Life Sciences	Michel Roberge	Alireza Baradaran-Heravi	Provincial
Center for Drug Research and Development	Biotechnology	Exploring the potential of chemical suppressors of nonsense mutations for treatment of multiple genetic disorders	University of British Columbia	Life Sciences	Michel Roberge	Alireza Baradaran-Heravi	Provincial
Center for Drug Research and Development	Biotechnology	Exploring the potential of chemical suppressors of nonsense mutations for treatment of multiple genetic disorders	University of British Columbia	Life Sciences	Michel Roberge	Alireza Baradaran-Heravi	Provincial
Actenum Corporation	Life Sciences (not health)	Efficient OLAP Queries on In-memory Databases with Frequent Updates	Simon Fraser University (Burna-	Computer Science	Jian Pei	Xiaoning Xu	IRDI

			by Campus)				
1Qbit	Finance and Insurance	The Communicative Challenges and Implications of Quantum Computing Renewal	Carleton University	Physical Sciences	Chris Russill	Derek Noon	Industry Canada
1Qbit	Finance and Insurance	The Communicative Challenges and Implications of Quantum Computing Renewal	Carleton University	Physical Sciences	Chris Russill	Derek Noon	Industry Canada
EcoPlan International Inc	Sustainability and the Environment	Choices and consequences: a multiple method research to supporting better decision making and implementation	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Julian Gonzalez	Industry Canada
EcoPlan International Inc	Sustainability and the Environment	Choices and consequences: a multiple method research to supporting better decision making and implementation	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Julian Gonzalez	Industry Canada
EcoPlan International Inc	Sustainability and the Environment	Choices and consequences: a multiple method research to supporting better decision making and implementation	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Julian Gonzalez	Industry Canada
EcoPlan International Inc	Sustainability and the Environment	Choices and consequences: a multiple method research to supporting better decision making and implementation	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Julian Gonzalez	Industry Canada
EcoPlan International Inc	Sustainability and the Environment	Choices and consequences: a multiple method research to supporting better decision making and implementation	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Julian Gonzalez	Industry Canada
EcoPlan International Inc	Sustainability and the Environment	Choices and consequences: a multiple method research to supporting better decision making and implementation	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Julian Gonzalez	Industry Canada
EcoPlan International Inc	Sustainability and the Environment	Choices and consequences: a multiple method research to supporting better decision making and implementation	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Julian Gonzalez	Industry Canada
EcoPlan Interna-	Sustainability and	Choices and consequences: a	University	Social Scienc-	Michael Meit-	Lorien Nesbit	Industry

tional Inc	the Environment	multiple method research to supporting better decision making and implementation	of British Columbia	es/Arts Humanities	ner		Canada
EcoPlan International Inc	Sustainability and the Environment	Choices and consequences: a multiple method research to supporting better decision making and implementation	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Lorien Nesbit	Industry Canada
EcoPlan International Inc	Sustainability and the Environment	Choices and consequences: a multiple method research to supporting better decision making and implementation	University of British Columbia	Social Sciences/Arts Humanities	Michael Meitner	Lorien Nesbit	Industry Canada
Arnell Workshop Inc	Advanced Manufacturing	Carbon thin-films for cosmetic jewellery applications	University of British Columbia - Okanagan	Engineering	Stephen O'Leary	Jonathan Laumer	WD
ViVitro Labs Inc	Health and Related Sciences and Technology	The influence of premature calcification on the performance of the transcatheter heart valve	University of Victoria	Engineering	Peter Oshkai	Oleksandr Baranyk	IRDI
ViVitro Labs Inc	Health and Related Sciences and Technology	The influence of premature calcification on the performance of the transcatheter heart valve	University of Victoria	Engineering	Peter Oshkai	Oleksandr Baranyk	Industry Canada
ViVitro Labs Inc	Health and Related Sciences and Technology	The influence of premature calcification on the performance of the transcatheter heart valve	University of Victoria	Engineering	Peter Oshkai	Oleksandr Baranyk	Industry Canada
ViVitro Labs Inc	Health and Related Sciences and Technology	The influence of premature calcification on the performance of the transcatheter heart valve	University of Victoria	Engineering	Peter Oshkai	Oleksandr Baranyk	Industry Canada
ViVitro Labs Inc	Health and Related Sciences and Technology	The influence of premature calcification on the performance of the transcatheter heart valve	University of Victoria	Engineering	Peter Oshkai	Oleksandr Baranyk	Industry Canada
ViVitro Labs Inc	Health and Related Sciences and Technology	The influence of premature calcification on the performance of the transcatheter heart valve	University of Victoria	Engineering	Peter Oshkai	Oleksandr Baranyk	Industry Canada
Victory Square Games	New and Digital Media	Ultra Casual – Investigation of game design with cognitive analysis in casual games	Simon Fraser University (Burna-	Computer Science	Richard Smith	Russell Kentish	WD

			by Campus)				
Arnell Workshop Inc	Advanced Manufacturing	Carbon thin-films for cosmetic jewellery applications	University of British Columbia - Okanagan	Engineering	Stephen O'Leary	Jonathan Laumer	Industry Canada
Silfab Ontario	Natural Resources	Minimizing potential induced degradation in crystalline silicon based photovoltaic solar modules	University of British Columbia - Okanagan	Engineering	Stephen O'Leary	Saeedeh Ghaffari	IRDI
BC Hydro (Burnaby, BC)	Energy and Utilities	Informative Art Simulations and Games for Improving Energy Awareness in the Home	Simon Fraser University (Surrey Campus)	Computer Science	Lyn Bartram	Mengting Sun	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	Bojan Mohar	Seyed Saeed Changiz Rezaei	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	Petr Lisonek	Vijaykumar Singh	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	Daniel Lee	Jaspreet Oberoi	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Beedie School of Business)	Mathematical Sciences	Andrey Pavlov	Ehsan Seyedin	WD
Heiltsuk Tribal Council; Haida Enterprise Corporation	Public Service, Policy, and Governance	First Nations Entrepreneurship Development, Capacity Building and Governance: Applied Perspectives	Simon Fraser University (Beedie School of Business)	Business	Mark Selman	Patricia Moore	IRDI
Neucel Specialty	Forestry	Further development of sulphite-	University	Engineering	Yonghao Ni	Yishan Liu	IRDI

Cellulose		based dissolving pulp production	of New Brunswick				
Neucel Specialty Cellulose	Forestry	Further development of sulphite-based dissolving pulp production	University of New Brunswick	Engineering	Yonghao Ni	Yishan Liu	Industry Canada
Neucel Specialty Cellulose	Forestry	Further development of sulphite-based dissolving pulp production	University of New Brunswick	Engineering	Yonghao Ni	Yishan Liu	Industry Canada
FireWater Fuel Corp	Natural Resources	Catalyst Development for Clean Hydrogen Production	University of British Columbia	Physical Sciences	Curtis Berlinguette	Vincent Wang	IRDI
FireWater Fuel Corp	Natural Resources	Catalyst Development for Clean Hydrogen Production	University of British Columbia	Physical Sciences	Curtis Berlinguette	Vincent Wang	Industry Canada
FireWater Fuel Corp	Natural Resources	Catalyst Development for Clean Hydrogen Production	University of British Columbia	Physical Sciences	Curtis Berlinguette	Vincent Wang	Industry Canada
VanCity	Other	Mapping Our Common Ground	University of Victoria	Social Sciences/Arts Humanities	Peter Keller	Logan Cochrane	IRDI
VanCity	Other	Mapping Our Common Ground	University of Victoria	Social Sciences/Arts Humanities	Peter Keller	Bruno de Oliveira Jayme	IRDI
Heiltsuk Tribal Council; Haida Enterprise Corporation	Public Service, Policy, and Governance	First Nations Entrepreneurship Development, Capacity Building and Governance: Applied Perspectives	Simon Fraser University (Beedie School of Business)	Business	Mark Selman	Dawid Nogas	Industry Canada
Heiltsuk Tribal Council; Haida Enterprise Corporation	Public Service, Policy, and Governance	First Nations Entrepreneurship Development, Capacity Building and Governance: Applied Perspectives	Simon Fraser University (Beedie School of Business)	Business	Mark Selman	Patricia Moore	Industry Canada

Appendix C: Table of *Globalink* Internships

Home Country	Home University	Host University	Host Department	Academic Supervisor	Research Project Title
China	Electronic Information and Electrical Engineering	University of Victoria - Victoria	Mechanical Engineering	Daniela Constantinescu	Haptic communication across computer networks
India	National Institute of technology surathkal	Simon Fraser University - Burnaby	Engineering Science	Behraad Bahreyni	Nanofibrous Gas Sensors
India	Indian Institute of Technology Roorkee	Simon Fraser University - Burnaby	School of Engineering Science	Ljiljana Trajkovic	Employing Homotopy Methods for Circuit Simulations
India	Indian Institute of Technology Roorkee	Simon Fraser University - Burnaby	Computing Science	Oliver Schulte	Statistical Analysis for Relational and Network Data
India	Indian Institute of Technology, Delhi	University of British Columbia - Kelowna	Mathematics	Warren Hare	Proximal Bundle Methods in Optimization
India	Indian Institute of Technology, Kanpur	University of British Columbia - Kelowna	School of Engineering	Mina Hoorfar	Optimization of properties of gas diffusion layers for enhanced performance in fuel cells
India	Indian Institute of Technology, Madras	University of British Columbia - Kelowna	School of Engineering	Homayoun Najjaran	Development of Multiagent Unmanned Systems
India	National Institute Of Technology (NIT) Tiruchirappalli (Trichy)	University of British Columbia - Vancouver	Electrical and Computer Engineering	Karthik Pattabiraman	Design and Analysis of Security Mechanisms for Advanced Metering Infrastructure
India	Indian Institute of Technology, Guwahatti	University of British Columbia - Vancouver	Dept. of Computer Science	David Poole	Integration of ontologies and relational probabilistic reasoning
India	Indian Institute of Technology, Kharagpur	University of British Columbia - Vancouver	Mechanical Engineering	Ryozo Nagamune	Implementation of an Engine Control Unit for Automotive Fuel Injection
Mexico	National Autonomous University of Mexico	University of British Columbia - Vancouver	Cellular & Physiological Sciences	Guy Tanentzapf	Cell Adhesion Dynamics
India	Vellore Institute of Technology (VIT) University	University of British Columbia - Vancouver	Medical Genetics	Daniel Goldowitz	The cells and molecules that make a brain
Mexico	Instituto Tecnologico y de Estudios Superiores	University of British Columbia - Vancouver	Biochemistry and Molecular Biology	Filip Van Petegem	Drug binding to cardiac calcium channels

	de Monterrey				
Mexico	Universidad Nacional Autónoma de México	University of British Columbia - Vancouver	School of Population and Public Health	Erica Frank	Designing Freely-Available Online Health Sciences Trainings for Low-Resourced Settings
Mexico	ITESM	University of British Columbia - Vancouver	Mechanical Engineering	Elizabeth Croft	Supportive Robot Project
Brazil	UNESP- Universidade Estadual Paulista Julio de Mesquita Filho	University of British Columbia - Vancouver	Pharmaceutical Sciences	Kishor Wasan	Study of the efficacy and pharmacokinetics of novel lanthanide compounds for treatment of osteoporosis
India	Indian School of Mines Dhanbad	University of British Columbia - Vancouver	Mining Engineering	Bern Klein	Technical Feasibility Study on Pre-concentration Technologies for Ore-Sorting
India	Indian School of Mines - Dhanbad	University of British Columbia - Vancouver	Electrical and Computer Engineering	David Michelson	Wireless Communications in Industrial and Agricultural Environments
India	Birla Institute of Technology and Science, Pilani	University of British Columbia - Vancouver	Electrical and Computer Engineering	Ali Mesbah	Automated Mobile Application Navigation
India	Indian Institute of Technology, Kharagpur	University of British Columbia - Vancouver	UBC MRI Research Centre	Alexander Rauscher	Magnetic frequency shifts and water diffusion in the human brain
Brazil	University of Brasilia - UnB	University of British Columbia - Vancouver	Faculty of Dentsitry: Oral Health Sciences	Mario Brondani	Exploring stigma around HIV/AIDS: patients' and dental professionals' views
Mexico	Universidad Nacional Autónoma de México	University of British Columbia - Vancouver	Economics	Mukesh Eswaran	The Economics of Research & Development for Drugs and Vaccines for Developing Countries
Brazil	Universidade Federal da Paraíba	University of British Columbia - Vancouver	Electrical and Computer Engineering	Matei Ripeanu	Using GPUs to accelerate graph processing
India	Indian Institute of Technology, Madras	University of British Columbia - Vancouver	Mechanical Engineering	Patrick Kirchen	Thermo-Optical Investigations of Internal Combustion Engines
Brazil	Pontifical Catholic of Rio Grande do Sul	University of British Columbia - Vancouver	Physical Therapy	Jordan Guenette	Mechanisms of dyspnoea and exercise intolerance in patients with idiopathic pulmonary fi-

					brosis
India	Indian Institute of Technology Madras	University of Victoria - Victoria	Electrical and Computer Engineering	Aaron Gulliver	Quantum Error-Correcting Codes
India	Indian Institute of Technology - Bombay	University of Victoria - Victoria	Mechanical Engineering	Rustom Bhiladvala	Energy Storage with Phase Change Materials for Solar & Building Energy Systems
India	Indian Institute of Technology Madras	University of Victoria - Victoria	Physics and Astronomy	Richard Keeler	Analysis of ATLAS Data from the LHC
Mexico	Universidad Popular Autónoma del Estado de Puebla	University of Victoria - Victoria	Mechanical Engineering	Afzal Suleman	Unmanned Air Vehicles: Design, Manufacturing and Operation
India	Indian Institute of Technology Guwahati (IIT-G)	University of Victoria - Victoria	Department of Electrical and Computer Engineering	Panajotis Agathoklis	Implementation of Image Registration Algorithms
India	University Of Delhi	University of Victoria - Victoria	Physics & Astronomy	Sara Ellison	Galaxy mergers in the local universe
Brazil	Universidade de Fortaleza	University of Victoria - Victoria	Electrical and Computer Engineering	Xiaodai Dong	Wireless ECG for Hear Monitoring
Mexico	Instituto Tecnológico de Monterrey Campus Guadalajara	University of Victoria - Victoria	Chemistry	Fraser Hof	Synthesis of molecular modulators of epigenetic pathways — gateways to new cancer therapeutics
India	Indian Institute of Technology Kharagpur	University of Victoria - Victoria	Computer Science	Jianping Pan	Channel Assignment Games in Cognitive Radio Networks
India	BITS Pilani	University of Victoria - Victoria	Electrical & Computer Engineering	Fayez Gebali	Multi-dimensional Analysis of Embedded Systems Security
Brazil	UNESP- Sao Paulo State University	Simon Fraser University - Burnaby	Chemistry	Tim Storr	Synthesis and Testing of New Alzheimer's Therapeutics
Mexico	Universidad de las Americas Puebla	Simon Fraser University - Burnaby	Geography	Anders Knudby	Vancouver's Urban Heat Island and its influence on human health
China	Huazhong University of Science and Technology	Simon Fraser University - Burnaby	Chemistry	Bingyun Sun	High throughput functional proteomics for surface proteins on mouse embryonic stem cells
China	Tongji University	Simon Fraser University - Burnaby	School of Engineering Science	Mirza Faisal Beg	Segmented brain MRI atlas for smartphone/tablet computer

China	Chongqing University	Simon Fraser University - Burnaby	Computing Science	Anoop Sarkar	Factored Translation Models for Statistical Machine Translation using Dependency Parsers and Morphology
China	Huazhong University of Science and Technology	Simon Fraser University - Burnaby	Biological Sciences	Jim Mattsson	Enabling selection for heartwood rot resistance and durability of Western red cedar wood
China	University of Electronic Science and Technology of China	Simon Fraser University - Surrey	Interactive Arts and Technology	Carman Neustaedter	Scalable Pervasive Games for Natural Disaster Preparation
China	Ocean University of China	Simon Fraser University - Surrey	Engineering Science	Gary Wang	Development of Large-Scale Optimization Tools for Flexible Assembly Process Planning
Brazil	Universidade de Brasília	Simon Fraser University - Vancouver	Communications	Andrew Feenberg	The social technology movement in Brazil and the critical theory of technology
China	Beihang University	University of British Columbia - Kelowna	Mathematics	Shawn Wang	The Barzilia-Borwein two-point step size method for monotone operators
Mexico	Universidad Nacional Autónoma de México UNAM	University of British Columbia - Vancouver	Cellular and Physiological Sciences	Kurt Haas	Developmental Brain Plasticity
Brazil	Pontifícia Universidade Católica do Rio Grande do Sul	University of British Columbia - Vancouver	Physical Therapy	Michael Anthony Hunt	Shoe orthotics tailored to the biomechanical needs of knee osteoarthritis
Mexico	Natinal Autonomous University of Mexico	University of British Columbia - Vancouver	Department of Chemistry	Laurel Schafer	Catalytic Amine Synthesis using Metal of Low Cost and Low Toxicity
India	BITS Pilani	University of British Columbia - Vancouver	Electrical and Computer Engineering	Victor Leung	Mobile cloud based social networking application development
China	HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY	University of British Columbia - Vancouver	Mechanical Engineering	Mike Van der Loos	Design of a Gaming Controller for Persons with Disabilities for Use in a Home-based Therapy Program

Brazil	Universidade Federal de Pernambuco	University of British Columbia - Vancouver	Mechanical Engineering	Gary Schajer	Sawblade Vibration Mode Measurement
Mexico	Universidad Nacional Autónoma de México	University of British Columbia - Vancouver	Faculty of Pharmaceutical Sciences	Kathleen MacLeod	Identification of ROCK isoform targets in cardiac and vascular smooth muscles cells in high glucose and diabetes
China	Xiamen University	University of British Columbia - Vancouver	Microbiology and Immunology	Michael Murphy	X-ray crystallographic study of a mycobactin synthesis protein
China	Beihang University	University of British Columbia - Vancouver	Mechanical Engineering	Carl Ollivier-Gooch	Improved Simulation of Shock-waves in Compressible Fluid Flows
China	Beijing Normal University	University of British Columbia - Vancouver	Chemistry	Suzana K. Straus	New antimicrobials to combat against biofilm formation
China	Zhejiang University	University of British Columbia - Vancouver	Electrical and Computer Engineering	Lukas Chrostowski	Silicon photonic devices characterization
China		University of Victoria - Victoria	Department of Mechanical Engineering	Yang Shi	Distributed Optimization and Control for Networked Complex Dynamic Systems: Application to Multiple Autonomous Vehicles
China	Fudan University	University of Victoria - Victoria	Electrical and Computer Engineering	Chris Papadopoulos	Nanostructured solar cells
China	Beijing Normal University	University of Victoria - Victoria	Chemistry	Scott McIndoe	The mechanism of palladium-catalyzed decarboxylative coupling using mass spectrometry
China	East China Normal University	University of Victoria - Victoria	Electrical and Computer Engineering	Reuven Gordon	Optical Trapping of Nanoparticles and Optical Antennas

Appendix D: Table of *Elevate* Fellowships

Industry Partner	Sector	Research Project	University	Academic Discipline	Academic Supervisor	Postdoctoral Fellow	Federal Funder
Nanotech Security Corp (Vancouver, BC)	Technology	Optical transistors and nano-features for security applications	Simon Fraser University (Burnaby Campus)	Engineering	Bozena Kaminska	Hao Jiang	WD
Mercedes-Benz Canada Inc	Green/Alternative Energy	Development of tests to assess GDL stability during MEA production	University of British Columbia	Engineering	Walter Merida	Francesca Capitanio	WD
Directions Evidence and Policy Research Group	Education	Successful schools: Building a better measure of success	University of British Columbia	Social Sciences/Arts Humanities	Kadriye Ercikan	Kelly Gallagher-Mackay	WD
StemCell Technologies Inc	Biotechnology	Development of 3D culture reagents and scoring systems for assays of normal and malignant epithelial stem cells	University of British Columbia	Life Sciences	Samuel Aparicio	Nagarajan (Raj) Kannan	WD
BC First Nations Forestry Council	Forestry	Capacity Building for Competitiveness in Aboriginal forestry	University of British Columbia	Business	Harry Nelson	William Nikolakis	WD
Anandia Therapeutics	Biotechnology	Optimizing medical marijuana: developing genetic and chemical resources to improve the quality and quantity of cannabinoid metabolites in Cannabis sativa L strains	University of British Columbia	Life Sciences	Anne Lacey Samuels	Teagen Quilichini	WD
SunVault Energy Inc	Energy and Utilities	Functionalised Electrodes for Electrochemical Solar Cells	University of British Columbia	Physical Sciences	John Madden	Joanna Slota-Newson	WD

Center for Drug Research and Development; Simon Fraser University (Beedie School of Business)	Biotechnology	Knowledge Recombination and Alliance Strategy in Science-based Businesses	Simon Fraser University (Beedie School of Business)	Business	Elicia Maine	Varkey Jon Thomas	WD
Keystone Environmental	Aquaculture and Fishing	Development of innovative tools for marine ecological assessment and intertidal habitat restoration.	Simon Fraser University (Burnaby Campus)	Life Sciences	Chris Kennedy	Katerina Vassilenko	WD
Kisameet Glacial Clay Inc	Advanced Manufacturing	Refining of Kisolite Clay for Cosmetic and Phamaceutical Applications	University of British Columbia	Engineering	John R. Grace	Wisarn Yenjaichon	WD
Intel of Canada	Information and Communications Technology (ICT)	Fine-Grain MPI	University of British Columbia	Computer Science	Alan Wagner	Humaira Kamal	WD
Simon Fraser University (Burnaby Campus)	Finance and Insurance	Tests for models used in Actuarial and Risk management and Economic forecasting	Simon Fraser University (Burnaby Campus)	Mathematical Sciences	Richard Lockhart	Zheng Sun	WD
Cardiome Pharma Corp	Health and Related Sciences and Technology	Design and synthesis of novel influenza M2 proton channel inhibitors with drug resistant antiviral activity	University of British Columbia	Life Sciences	David Fedida	Hannah Boycott	WD
LionsGate Technologies	Health and Related Sciences and Technology	The Phone Oximeter, a Simple Mobile Device to Screen for Sleep Apnea in Children	University of British Columbia	Engineering	Guy Dumont	Ainara Garde	WD
Rx Networks Inc	Information and Communications	Signals of Opportunity-based Positioning	University of British Columbia	Engineering	Richard Klukas	Mahsa Shafiee	WD

	Technology (ICT)	Techniques for Challenging GNSS Environments	- Okanagan				
Boeing Canada Operations (AeroInfo Systems)	Information and Communications Technology (ICT)	Design of Mobile Natural Interfaces for Visualization and Management of Large Patient Databases	University of British Columbia	Computer Science	Rodger Lea	Mike Blackstock	WD
Computational GeoSciences Inc	Natural Resources	Large-scale Inversion of geophysical data	University of British Columbia	Mathematical Sciences	Eldad Haber	Elliot Holtham	WD
FuseForward	Technology	Real-time Energy Analytics for Distributed Facilities	University of British Columbia	Computer Science	Victor Leung	Kaveh Shafiee	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Marcel Franz	Dominic Marchand	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Marcel Franz	Dominic Marchand (year 2)	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Eldad Haber	Gili Rosenberg	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	Simon Fraser University (Beedie School of Business)	Mathematical Sciences	Andrey Pavlov	Hedayat Alghassi	WD
1Qbit	Finance and Insurance	Programming Techniques for QUBO Compatible Processors II	University of British Columbia	Mathematical Sciences	Philip Stamp	Maritza Hernandez-Gaete	WD
MetaOptima Technology Inc	Information and Communications Technology (ICT)	Development of novel algorithms for Skin Cancer Self-Screening	Simon Fraser University (Burnaby Cam-	Computer Science	M. Stella Atkins	Mohammad Izadi	WD

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University of British Columbia	Aerospace	Visual Analytics for Financial Risk	University of British Columbia	Computer Science	Victoria Lemieux	Payam Rahmdel	WD
RepliCel Life Sciences Inc	Health Care/ Life Science	Isolation, characterization and culture maintenance of stem cells from human hair follicle mesenchyme Year Two	University of British Columbia	Life Sciences	Kevin McElwee	Feng-Tao Shi	WD
MAG Silver Corp	Environmental Science and Technology	Carbonate Alteration Footprints of Hydrothermal Ore Deposits Year Two	University of British Columbia	Earth Sciences	Gregory Dipple	Andreas Beinlich	WD
Sea Mammal Research Unit Canada Ltd	Ocean Tech	A Bayesian Probability Network Approach To Predictive Modeling in Support of Effective Management of Underwater Noise in Marine Mammal Habitat	Simon Fraser University (Burnaby Campus)	Life Sciences	Laurie Ainsworth	Ruth Joy	WD
Simon Fraser University (Burnaby Campus)	New and Digital Media	Investigating Nano-Media in Communications, the Arts and Creative Communities	Simon Fraser University (Burnaby Campus)	Social Sciences/Arts Humanities	Bozena Kaminska	Aleksandra Kaminska	WD
Sierra Wireless Inc	Technology	Design and Optimization of Machine-Type Communication in LTE	University of British Columbia	Engineering	Lutz Lampe	Ghasem Naddafzadeh-Shirazi	WD
Simon Fraser University (Burnaby Campus)	Energy & Utilities	Flexible and fully integrated power patch for self-powering sensors	Simon Fraser University (Burnaby Campus)	Engineering	Bozena Kaminska	Jasbir Patel	WD
iProgen; University of British Columbia	Biotechnology	Potential of magnetic nanoparticle targeting with the help of	University of British Columbia	Life Sciences	Urs Hafeli	Thomas Schneider	WD

		cell permeable proteins					
LogicBlox; Simon Fraser University	Information and Communications Technology (ICT)	Increasing and Automating Adaptivity of LogicBlox Datalog Platform	Simon Fraser University (Burnaby Campus)	Computer Science	Eugenia Ternovska	Shahab Tasharrofi	WD
MineSense Technologies; University of British Columbia	Mining	Effect of Mineralogy on the Application of Sensor-based Sorting Techniques	University of British Columbia	Engineering	Bern Klein	Libin Tong	WD
Kisameet Glacial Clay Inc	Advanced Manufacturing	Characterization, antibacterial mechanism and improvement of Kisolite Clay	University of British Columbia	Engineering	Loretta Li	Wanjing Xu	WD
Norsat International Inc	Information and Communications Technology (ICT)	Beam Steerable Flat Panel Antenna	Simon Fraser University (Burnaby Campus)	Computer Science	Rodney Vaughan	Jane Yun	WD
Philips Healthcare (Langley, BC)	Technology	Optimization of Myelin Water Imaging	University of British Columbia	Life Sciences	Alex MacKay	Jing Zhang	WD
FireWater Fuel Corp	Natural Resources	Catalyst Development for Clean Hydrogen Production	University of British Columbia	Physical Sciences	Curtis Berlinguette	Rodney Smith	WD

Appendix E: Mitacs Academic Partners

Full Partners

- Carleton University
- École de Technologie Supérieure
- McGill University
- McMaster University
- Polytechnique Montréal
- Queen's University
- Ryerson University
- Simon Fraser University
- Université de Montréal
- University of Alberta
- University of British Columbia
- University of Calgary
- University of Manitoba
- University of New Brunswick
- University of Ottawa
- University of Saskatchewan
- University of Toronto
- University of Waterloo
- Western University
- York University

Associate Partners

- Concordia University
- Dalhousie University
- Emily Carr University of Art + Design
- OCAD University
- Thompson Rivers University
- Trent University
- Université de Sherbrooke
- Université INRS
- University of Guelph
- University of Lethbridge
- University of Northern British Columbia
- University of Ontario Institute of Technology
- University of Victoria
- University of Windsor
- Wilfrid Laurier University

Honourary Partners

- Acadia University
- Athabasca University
- Bishops University
- Cape Breton University
- Concordia University College of Alberta
- HEC Montréal
- Lakehead University
- Laurentian University
- Memorial University of Newfoundland
- Mount Allison University
- Mount Saint Vincent University
- Mount Sinai Hospital
- Royal Military College of Canada
- Saint Mary's University
- Saint Paul University
- St. Francis Xavier University
- TÉLUQ-Université du Québec
- Trinity Western University
- Université de Moncton
- Université du Québec à Montréal
- Université du Québec à Trois-Rivières
- Université du Québec en Abitibi Témiscaminque
- Université Laval
- University of Regina
- University of Winnipeg
- Vancouver Island University

Appendix F: Media

January 11, 2014: CKNW AM 980's Bill Good Show – Interview with Mitacs CEO and BC Minister of Advanced Education

Mitacs CEO Arvind Gupta, Minister of Advanced Education Amrik Virk, and Mitacs Accelerate intern Katie Birdsall joined host Bill Good in studio to discuss Mitacs Accelerate and the importance of connecting post-secondary students with industry for skills training.

November 24, 2013: Huffington Post BC – Emily Morris, UBC Student, Wins Mitacs Award for Outstanding Innovation

November 19, 2013: CBC Radio Vancouver's Early Edition – Interview with Mitacs Awards winner Emily Morris

November 17, 2013: Victoria Times-Colonist - UBC student wins national research honours

November 16, 2013: Vancouver Sun – UBC researcher's work on mental health stigma recognized

July 17, 2013: The Vancouver Sun - Bright brains at UBC work on new safety technology for trains

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By Tracy Sherlock

July 10, 2013: Victoria News – Reversing the Canadian brain drain

July 9, 2013: CKNW 980's Bill Good Show – Mitacs Globalink

Mitacs CEO & Scientific Director, Arvind Gupta, and UBC Globalink student Diego Parra joined host Bill Good in studio to discuss Mitacs Globalink and the need for Canada to recruit the best and brightest international talent.

http://www.mitacs.ca/n/2013/07/cknw-980s-bill-good-show-mitacs-globalink

Appendix G: Mitacs *Accelerate* Longitudinal Study 2014

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