Natural Sciences and Engineering Research Council of Canada

Conseil de recherches en sciences naturelles et en génie du Canada

FORM 100
Personal Data Form
PART I

Date

2013/03/18

Family name	Given name	Initial(s) of all given names	Personal identification no. (PIN)
Lemieux	Victoria	L	436742

☐ I hold a faculty position at an eligible Canadian college (complete Appendices B1 and C)

☐ I do not or will not hold an academic appointment at a Canadian postsecondary institution

Place of employment other than a Canadian postsecondary Institution (give address in Appendix A)

APPOINTMENT AT A POSTSECONDARY INSTITUTION

Title of position
Acting Director

Department
Media and Graphics Interdisciplinary Centre

Campus
Vancouver Campus

Canadian postsecondary institution
British Columbia

Tenured or tenure-track academic appointment — Yes [X] No ☐

Part-time appointment ☐   Full-time appointment [X]

- For all non-tenured or non tenure-track academic appointment and Emeritus Professors, complete Appendices B & C
- For life-time Emeritus Professor and part-time positions, complete Appendix C

ACADEMIC BACKGROUND

Degree	Name of discipline	Institution	Country	Date yyyy/mm
Bachelor's	History and English	Toronto	CANADA	1984 / 6
Master's	Archival Studies	British Columbia	CANADA	1989 / 6
Doctorate	Archival Studies	Univ of London - Univ College London	UNITED KINGDOM	2002 / 6

TRAINING OF HIGHLY QUALIFIED PERSONNEL

Indicate the number of students, fellows and other research personnel that you:

	Currently		Over the past six years (excluding the current year)		
	Supervised	**Co-supervised**	**Supervised**	**Co-supervised**	**Total**
Undergraduate	4		5		9
Master's	2		12	1	15
Doctoral			6		6
Postdoctoral					
Others					
Total	6		23	1	30

ACADEMIC, RESEARCH AND INDUSTRIAL EXPERIENCE (use one additional page if necessary)

Position held (begin with current)	Organization	Department	Period (yyyy/mm to yyyy/mm)
Assistant Professor	British Columbia	iSchool@UBC	2008/07
Acting Director	British Columbia	Media and Graphics Interdisciplinary Centre	2012/09
Vice-President	Credit Suisse	IT Risk and Security	2002/09 to 2008/06
Researcher	The World Bank/International Records Management Trust		2001/09 to 2002/09
University Archivist/Campus Records Manager	University of the West Indies		1993/09 to 2001/07
Director of Corporate Records and Information Services	City of Edmonton		1990/01 to 1993/07
Government Records Archivist	Provincial Archives of Alberta		1987/06 to 1990/06
Records Analyst	Province of British Columbia, Records Management Branch		1986/06 to 1987/06

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RESEARCH SUPPORT

Family name and initial(s) of applicant	Title of proposal, funding source and program, and time commitment (hours/month)	Amount per year	Years of tenure (yyyy)
List all sources of support **(including NSERC grants and university start-up funds)** held as an applicant or a co-applicant: a) support held in the past four (4) years but now completed; b) support currently held, and c) support applied for. For group grants, indicate the percentage of the funding directly applicable to your research. Use additional pages as required.			

a) Support held in the past 4 years

Family name and initial(s) of applicant	Title of proposal, funding source and program, and time commitment (hours/month)	Amount per year	Years of tenure (yyyy)
Victoria L. Lemieux	Start Up Grant University of British Columbia Start Up Grant 0 hours/month	10,000 10,000	2008 2009
Victoria L. Lemieux	Canadian Context of Financial Electronic Records University of British Columbia Hampton Fund 0 hours/month	9,000 9,000	2009 2009
Victoria L. Lemieux	The Canadian Bank Records Management Initiative University of British Columbia HSS 0 hours/month	6,200	2009
Luciana Duranti	InterPARES 3 SSHRC 6 hours/month	(5%) (5%) (5%)	2009 2010 2011

RESEARCH SUPPORT

Family name and initial(s) of applicant	Title of proposal, funding source and program, and time commitment (hours/month)	Amount per year	Years of tenure (yyyy)
List all sources of support **(including NSERC grants and university start-up funds)** held as an applicant or a co-applicant: a) support held in the past four (4) years but now completed; b) support currently held, and c) support applied for. For group grants, indicate the percentage of the funding directly applicable to your research. Use additional pages as required.			

a) Support held in the past 4 years

Luciana Duranti	Digital Recordkeeping Curriculum Resources International Council on Archives 6 hours/month	(5%) (5%) (5%)	2009 2010 2011
Victoria L. Lemieux	Guidelines for Managing Records Created in the Investigative and Litigation Process Mathematics of Information Technology and Complex Systems (M Accelerate 10 hours/month	15,000	2010
Victoria L. Lemieux	Financial Records and Information Management Workshoip SSHRC Workshop Grant 24 hours/month	25,000	2011
Victoria L. Lemieux	Making Visual Sense of Records Boeing Aerospace 36 hours/month	30,000	2011

RESEARCH SUPPORT

Family name and initial(s) of applicant	Title of proposal, funding source and program, and time commitment (hours/month)	Amount per year	Years of tenure (yyyy)
List all sources of support **(including NSERC grants and university start-up funds)** held as an applicant or a co-applicant: a) support held in the past four (4) years but now completed; b) support currently held, and c) support applied for. For group grants, indicate the percentage of the funding directly applicable to your research. Use additional pages as required.			

a) Support held in the past 4 years

Family name and initial(s) of applicant	Title of proposal, funding source and program, and time commitment (hours/month)	Amount per year	Years of tenure (yyyy)
Victoria L. Lemieux	International Congress on Archives - Presentation of Paper on the Application of Visual Analytics in Archives Faculty of Arts HSS 0 hours/month	3,890	2012
Victoria L. Lemieux	International Visiting Research Scholar Award to host visit from Professor William Wong, Head, Interaction Design Centre, Middlesex University Peter Wall Institute for Advanced Studies International Visiting Research Scholar Award 0 hours/month	7,916	2012
Luciana Duranti	Trust and Conflicting Rights in the Digital Environment Peter Wall Institute for Advanced Studies Strategic Workshops Grant 0 hours/month	25,000(100%)	2012
Victoria L. Lemieux	Workshop on Visual Analytics for Financial Systemic Risk Analysis U.S. Department of Homeland Securities Visual Analytics for Command and Control Interoperability 0 hours/month	20,000	2012

RESEARCH SUPPORT

Family name and initial(s) of applicant	Title of proposal, funding source and program, and time commitment (hours/month)	Amount per year	Years of tenure (yyyy)
List all sources of support **(including NSERC grants and university start-up funds)** held as an applicant or a co-applicant: a) support held in the past four (4) years but now completed; b) support currently held, and c) support applied for. For group grants, indicate the percentage of the funding directly applicable to your research. Use additional pages as required.			

a) Support held in the past 4 years

Victoria Lemieux	Partnership Development Seed Funding Faculty of Arts HSS 0 hours/month	2,000	2012

b) Support currently held

Ronald Rensink, Victoria L. Lemieux, David Darvill	Visual Analytics: From Theory to Practice NSERC CRD 48 hours/month	127,820 (33%) 127,820 (33%)	2012 2013
Luciana Duranti	Records in the Cloud SSHRC 1 hours/month	20,900 (5%) 20,900 (5%) 20,900 (5%) 20,900 (5%)	2012 2013 2014 2015
Jean Sebastien Cote	Visual Analytics Laboratory and Instructional Centre (VALIC) Western Economic Diversification 4 hours/month	(33%) (33%) (33%)	2013 2014 2015

Canada

Highly Qualified Personnel (HQP)

Provide personal data about the HQP that you currently, or over the past six years, have supervised or co-supervised.

| | Personal identification no. (PIN) | Family name |
| | 436742 | Lemieux |

Name	Type of HQP Training and Status	Years Supervised or Co-supervised	Title of Project or Thesis	Present Position
Geran Tam	Undergraduate (In Progress)	Supervised 2013 - 2013	Directed Study ECE496	Directed Study Student
Jonathan Chu	Undergraduate (In Progress)	Supervised 2013 - 2013	Directed Study ECE496	Directed Study Student
Kevin Owens	Master's (In Progress)	Supervised 2013 - 2013	Visual Analytics: From Theory to Practice	Graduate Research Assistant
Peter Phillips	Undergraduate (In Progress)	Supervised 2013 - 2013	Directed Study COGS402	Directed Study Student
Samson Wong	Undergraduate (In Progress)	Supervised 2013 - 2013	Directed Study COGS402	Directed Study Student
Grant Hurley	Master's (In Progress)	Supervised 2012 - 2013	Various	Graduate Research Assistant
(Name withheld)	Undergraduate (In Progress)	Supervised 2012 - 2013	Visual Analytics: From Theory to Practice	Research Assistant
Seong-Hwan Jun	Undergraduate (In Progress)	Supervised 2012 - 2013	Visual Analytics: From Theory to Practice	Graduate Research Assistant
Benjamin Shieh	Undergraduate (Completed)	Supervised 2012 - 2012	Visual Analytics: From Theory to Practice	VA Challenge Leader
David Lau	Undergraduate (Completed)	Supervised 2012 - 2012	Visual Analytics: From Theory to Practice	Graduated in December 2012 and looking for work
Justin Chan	Undergraduate (Completed)	Supervised 2012 - 2012	Visual Analytics: From Theory to Practice	Unknown
Lara Mancuso	Master's (In Progress)	Supervised 2012 - 2012	Visual Analytics: From Theory to Practice	Knowledge Manager, Fraser Health Authority
Amanda Leinberger	Master's (Completed)	Supervised 2009 - 2012	Risk Management Strategies for Non-Governmental Organization	United Nations Archives, Archivist
Adam Jansen	Doctoral (In Progress)	Supervised 2011 - 2011	Making Visual Sense of Records	Chief Information Officer, State of Hawaii
Jacqueline Huck	Master's (Completed)	Supervised 2011 - 2011	Directed Study - Children's Online Safety	Student
Jade Guan	Master's (Completed)	Supervised 2011 - 2011	Directed Study - Children's Online Safety	Assistant Archivist - UBC Xwi7xwa Library
Qianqian Yu	Master's (Completed)	Supervised 2011 - 2011	Making Visual Sense of Records	Doctoral Student in Finance, Boston College
Yao Shen	Master's (Completed)	Supervised 2011 - 2011	Making Visual Sense of Records	Doctoral Student in Finance, Boston College
Donald Force	Doctoral (In Progress)	Supervised 2010 - 2011	Best pratices in the management of investigative records	Currently completing doctoral dissertation
Elaine Goh	Doctoral (In Progress)	Supervised 2010 - 2011	Canadian Context of Financial Electronic Records	Currently completing doctoral dissertation

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Highly Qualified Personnel (HQP)

Provide personal data about the HQP that you currently, or over the past six years, have supervised or co-supervised.

	Personal identification no. (PIN)	Family name
	436742	Lemieux

Name	Type of HQP Training and Status	Years Supervised or Co-supervised	Title of Project or Thesis	Present Position
Jack Hallin	Master's (In Progress)	Supervised 2010 - 2011	Canadian Context of Financial Electronic Records	Currently completing MASLIS degree
Kafui Monu	Doctoral (Completed)	Supervised 2010 - 2011	Various	Currently on Faculty at UBC Sauder Business School
Shawn Roncin	Master's (Completed)	Supervised 2010 - 2011	Web-based Risk Assessment Tool/Financial Records Workshop	Currently with Royal Bank of Canada in Corporate Finance
Rebecca Martens	Master's (Completed)	Supervised 2009 - 2011	Various	Information Architect at Number 41 Media
Thomas Dang	Master's (Completed)	Co-supervised 2009 - 2011	Evaluation of Financial Visual Analysis Tools	Web Developer UBC IT
Sherry Xie	Doctoral (In Progress)	Supervised 2008 - 2011	Various projects	Currently completing doctoral dissertation
Lior Limonad	Doctoral (Completed)	Supervised 2009 - 2010	Canadian Context of Financial Electronic Records	Currently with IBM Research
Erin Abler	Master's (Completed)	Supervised 2008 - 2009	Does Organizational Culture Influence Adoption of RIM Standa	Unknown
Manuela Boscenco	Master's (Completed)	Supervised 2008 - 2009	From Content to Task: A Competencies-Based Syllabus for	Development Coordinator, UBC

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1. Most Significant Contributions to Research and/or to Practical Applications:

1) *Compliance and Risk Management in Global Financial Markets.* With Geoffrey Yeo of University College London, Rod Stone of the Royal Bank of Scotland and Lynn Coleman of Credit Suisse, I collaborated on research related to aspects of compliance and risk management as this concerns the management of financial records in global financial markets. The research focused on the structure of global financial markets and the types of records and data that are generated in their operation; cross-border data flows and privacy issues; global record keeping requirements; global strategic outsourcing; and global records management standards. The research was published as an edited volume and has received favourable reviews in the disciplines of records management and information science, the target audiences for this publication.

2) *Data Governance, Analysis and Lifecycle Management for Financial Risk Analysis and Management.* With funding from SSHRC, I organized an international interdisciplinary workshop to explore how information problems affect financial risk analysis and management capabilities. The outcome of this work was an edited volume, published by Springer in 2013, that has served to consolidate and advance current thinking on financial informatics in a single volume where usually the research is discussed only in separate and distinct disciplinary journals. With Ron Rensink, I am conducting ongoing research on the application of visual analytics in the area of financial risk analysis (Boeing and NSERC-CRD funded) as a solution to information processing constraints that can limit human and organizational capacity to identify and manage financial risk. This research has led to the creation of two visual analytics software applications for financial visual analytics (details below) both of which I am in the process of commercializing. This work has also led to new insights into the areas in which visual analytics can be applied to financial systemic risk and invitations to present on my research from the U.S. Commodities and Futures Trading Commission and the Canadian Securities Administrators.

3) *International Research Community on Financial Informatics.* Since, 2011, I have co-chaired the Open Financial Data Group (OFDG), an informal international discussion group comprised of financial industry regulators and market participants as well as academics concerned with financial data management. The OFDG provides a forum for co-generation and dissemination of research on financial data, such as recent research, in collaboration with Dr. Aaron Loerhlein, iSchool, UBC, and Mike Bennett of the Enterprise Data Management Council, on the classification of financial products (see publication below).

4) *Next-Generation Cyberinfrastructure for Global Finance.* I have served as a Canadian Representative to the International Standards Organization's Technical Committee on Financial Services (TC68) Working Group on Legal Entity Identifiers (WG6), which resulted in a new metadata standard (ISO 17442) mandated by the G20 in order to increase transparency in global financial markets. I have also served as an advisor to the British Columbia Securities Commission on Global Legal Entity Identifiers (LEIs) and my knowledge of this new standard and its implications for global finance continues to be sought out. Currently, I am also using visual analytics techniques to evaluate the effectiveness of LEIs in relation to the G20 objective of achieving greater transparency in the operation of global financial markets.

5) *Visual Analytics in Archives.* Another strand of my research (Boeing and NSERC CRD funded) relates to the application of VA in the field of Archives. I have conducted cognitive task analyses of archivists` work during arrangement and description of archival material as a precursor to designing a VA system to support this process. With a MSc Computer Science student, I am currently building a prototype system based on this research.

2. Research Contributions and Practical Applications

a. Articles in refereed publications: Note: *Archival Science* and *Archivaria* are recognized as being A+ rated journals in my core discipline of archival science. I have also submitted publications to *The Records Management Journal*, an A+-rated journal in records management and the only one in that field that is *not exclusive* to a professional association, as well as to *JASIST* and *Journal of Information Science*, both top-ranked library and information science journals. Additionally, I have published in the *Canadian Journal of Law and Technology*, which is indexed on Westlaw, to achieve widespread dissemination of my research to a particular target audience, in this case, the legal field. Authors whose names appear in bold denote students with whom I have published.

   i.   published or accepted

Loerhlein, Aaron, Victoria L. Lemieux, Mike Bennett, "The Classification of Financial Products." *JASIST* (Accepted for publication in March 2013 and publication forthcoming) 50% contribution – conceived of the paper, provided financial domain knowledge, developed the methodology, led OFDG discussions, and wrote 50% of the paper.

Lemieux, Victoria L. "Towards a 'Third Order' Archival Interface: Research Notes on some Theoretical and Practical Implications of Visual Explorations in the Canadian Context of Financial Electronic Records," *Archivaria* 77 (Accepted for publication in February 2013 and forthcoming 2014). (Hampton Grant funded)

Lemieux, Victoria L., and Jason Baron. "Overcoming the Digital Tsunami in e-Discovery: Is Visual Analysis the Answer?" The *Canadian Journal of Law and Technology* Spring/Summer 2011, pp. 31-48. 90% contributor. The paper was indexed on Westlaw, one of the primary online legal research services for lawyers and legal professionals in Canada and the U.S.

Lemieux, Victoria L., and **Lior Limonad**, "What 'Good' Looks Like: Understanding Records Ontologically in the Context of the Global Financial Crisis." *Journal of Information Science* 37, 1 (February, 2011): 29-39. 80% contribution. (Hampton grant funded)

Lemieux, Victoria L. "The Records-Risk Nexus: Exploring the Relationship Between Records and Risk." *Records Management Journal* 20, no. 2 (2010): 199-216.   Awarded Emerald Literati Network Best Paper Award 2011. (Boeing funded)

Lemieux, Victoria L. "Always Follow the Money: A Call to Investigate Financial Records." *Archivaria* 69 (Spring 2010): 173-188.

   ii. submitted

Lemieux, Victoria L. "Visual Analytics, Cognition and Archival Arrangement and Description: Studying Archivists' Cognitive Tasks to Leverage Visual Thinking for a Sustainable Archival Future." Submitted to *Archival Science* September 2012. Notification pending. (Boeing funded)

Lemieux, Victoria L. "Using Information Visualization and Visual Analytics to Achieve a More Sustainable Future for Archives: A Survey and Critical Analysis of Some Developments." Submitted to *Comma* January 2012. Notification pending. (Boeing funded)

Victoria L. Lemieux and **Thomas Dang**, "Applying Visual Analysis to Solve Real World Information Management Problems: A Case Study in the Design of an Interactive Visual Dashboard for a Boutique Asset Management Firm," Submitted to *Records Management Journal*. Notification pending. 70% contribution. (Boeing funded)

iii. selected recent papers in refereed conference proceedings

Lemieux, Victoria L. "How Archivists Think: Exploring Archival Reasoning Processes Using Cognitive Task Analysis and Verbal Protocols," iConference, Fort Worth, Texas, 10-15 February, 2013. The iConference is one of the main conferences in the field of information science. (Boeing funded). Acceptance rate 36%.

Lemieux, Victoria L. "Financial Records and Their Discontents: Safeguarding the Records of our Financial Systems," UNESCO "Memory of the World in the Digital Age: Digitization and Digital Preservation" Conference. Vancouver, B.C., 26-28 September 2012. The UNESCO Memory of the World conference is a premier conference in the field of archives and digital preservation. Acceptance rate approximately 25%.

Lemieux, Victoria L. "Envisioning a Sustainable Future for Archives: A Role for Visual Analytics?" International Congress on Archives, Brisbane, Australia, 20-24 August, 2012. The ICA Congress takes place every four years and is recognized as being the premier international conference in the field of archives. (Boeing funded). Acceptance rate 35%.

Lemieux, Victoria L. "Creating an Interactive Visualization of a Financial System for Economic and Social Well-Being," NATO Research Task Group on Interactive Visualization of Dynamic Networks 2011, Vancouver, BC, November 29 – December 1. (Hampton grant funded).

a. books

Lemieux, Victoria L, ed. *Financial Analysis and Risk Management: Data Governance, Analytics and Life Cycle Management*. Frankfurt: Springer, 2012. 206 p. (SSHRC funded)

Coleman, Lynn, Victoria L. Lemieux, Rod Stone, and Geoffrey Yeo, eds. *Managing Records in Global Financial Markets: Ensuring Compliance and Mitigating Risk*. London: Facet Publishing, 2011. 239 p. Authors listed in alphabetical order. 60% contribution.

b. book chapters

Dang, Thomas and Victoria L. Lemieux "Functional Framework for Evaluating Visualization Products: Development and Application to the Design of a Custom Visual Analytics Solution for a Boutique Asset Management Firm," In Victoria L. Lemieux, ed. *Financial Analysis and Risk Management: Data Governance, Analytics and Life Cycle Management*. Frankfurt: Springer, 2013, 115-150. 50% contribution. (SSHRC and Boeing funded)

Lemieux, Victoria L. "Records and Information Management for Financial Analysis and Risk Management: An Introduction," In Victoria L. Lemieux, ed. *Financial Analysis and Risk Management: Data Governance, Analytics and Life Cycle Management*. Frankfurt: Springer, 2013, 1-12. (SSHRC funded)

Monu, Kafui, Victoria L. Lemieux, Lior Limonad and Carson Woo, "Using Conceptual Models to Theorize about the Relationship between Records and Risk in the Global Financial Crisis," In Victoria L. Lemieux, ed. *Financial Analysis and Risk Management: Data Governance, Analytics and Life Cycle Management.* Frankfurt: Springer, 2013, 73-96. 60% contribution. (SSHRC funded)

Lemieux, Victoria L., Brian Fisher and **Thomas Dang**, "The Visual Analysis of Financial Data." In Mark Flood, et al. eds. *Handbook of Financial Risk Data*. Cambridge, UK: Cambridge University Press, forthcoming 2013. Acepted for publication in 2011. (Boeing funded)

Lemieux, Victoria L. "Records Management Considerations in Global Strategic Outsourcings." In Coleman, Lynn, Victoria L. Lemieux, Rod Stone, and Geoffrey Yeo, eds. *Managing Records in Global Financial Markets: Ensuring Compliance and Mitigating Risk*. London: Facet Publishing, 2011, 133-146.

Lemieux, Victoria L., David Long and David Kemp. "Global Financial Markets." Coleman, Lynn, Victoria L. Lemieux, Rod Stone, and Geoffrey Yeo, eds. *Managing Records in Global Financial Markets: Ensuring Compliance and Mitigating Risk*. London: Facet Publishing, 2011, 1-14. 80% contribution.

Lemieux, Victoria L. and Ember Krumwied. "Managing Records Risks in Global Financial Institutions." Coleman, Lynn, Victoria L. Lemieux, Rod Stone, and Geoffrey Yeo, eds. *Managing Records in Global Financial Markets: Ensuring Compliance and Mitigating Risk*. London: Facet Publishing, 2011, 91-106. 90% contribution.

c. Contributions to practical applications of knowledge

i. technology or product development

Victoria L. Lemieux and **Thomas Dang** "FIVA – Fixed Income Visual Analytics." Demo available at http://youtu.be/VGRh0BmJpTY. The tool has enabled analysts at the collaborating company to gain situational awareness of portfolio risks much more rapidly than using previous methods (i.e., analysis using spreadsheets). (Boeing funded)

Lemieux, Victoria L.,**Thomas Dang, David Lau, Benjamin Shieh and Seong-Hwan Jun**. "MDEV – Visual Analytics for Multivariate Density Estimation of Financial Systemic Risk." This represents the first visual analytics implementation of the MDE measure of financial systemic risk. (NSERC-CRD funded)

Lemieux, Victoria L. "CIFER Risk Tool for Assessing Organizational and Human Behavioural Risk Factors in Electronic Records Management System Implementations." Tool available at: www.ciferresearch.org/risk_tools/. (SSHRC funded)

ii. technology transfer and commercialization, including spin-off companies

CIFER Research Ltd. is commercializing the CIFER Risk Tool, the FIVA Tool and the MDEV tool.

3. Other Evidence of Impact and Contributions

i. awards

2011: Emerald Literati Network Best Paper Award
2009: Peter Wall Institute for Advanced Studies: Early Career UBC Scholars Award

ii. selected invited lectures

Organizer and Speaker, Training Course on Visual Analytics for Canadian Securities Administrators, 24 January, 2013.
Panellist, "Industry-Academia Collaboration Panel Discussion", NSERC Pacific 2012 Industry/Student Networking Night, 13 November, 2012.
Keynote speaker "Information Governance, Security and the Law – The Future is Waiting for You," Information and Records Management Society, Brighton, U.K., 28 May, 2012.
Invited speaker, "Investigating Financial Records," Commodities and Futures Trading Commission, Office of the Chief Economist, Washington, D.C., 24 May, 2012.

iii. Leadership

Acting Director, Media and Graphics Interdisciplinary Centre, September 2012 to present. Responsible for the strategic direction and administrative oversight of the Centre. See www.magic.ub.ca for more information.

5. Contributions to the Training of Highly Qualified Personnel (HQP): For Canadian businesses to remain competitive in an information economy that is increasingly competing on analytics, they must enhance their ability to gain insight from vast and heterogeneous data. In order to achieve this, companies must have access to properly trained individuals to fill the positions of Analysts, Data Managers and Data Scientists. To that end, I have been involved in training students from diverse disciplines – Archival Science, Information Science, Management Information Systems, Finance, Cognitive Science, Computer Science, and Electrical and Computer Engineering – in the new interdisciplinary field of visual analytics, focusing on aspects of the development of visual analytics systems and/or on helping students to develop proficiency as visual analysts. I achieve this through offering a course that I developed in information visualization and visual analytics in the iSchool@UBC, first offered in the 2011-2012 academic year, by supervising students as part of visual analytics-related research projects, and through supervising directed studies projects. To date, the combined breakdown of the students I have trained is as follows: PhD – 6; Masters – 14; Undergraduate – 9. These figures exclude an additional 24 students trained in my course on information visualization and visual analytics. All students have done well in their subsequent careers in industry and in academia.

Natural Sciences and Engineering Research Council of Canada

Conseil de recherches en sciences naturelles et en génie du Canada

APPENDIX A
Personal Data
(Form 100)

Complete this appendix (i) if you are an applicant or co-applicant applying for the first time; (ii) if you need to update information submitted with a previous application; or (iii) if you do not hold an appointment at a Canadian postsecondary institution. For updates, include only the revised information in addition to the date, your name and your PIN.

This information will be used by NSERC primarily to contact applicants and award holders. It may also be used to identify prospective reviewers and committee members, and to generate statistics. It will not be seen or used in the adjudication process.

Date
2013/03/18

Family name	Given name	Initial(s) of all given names	Personal identification no. (PIN)
Lemieux	Victoria	L	436742

Position and complete mailing address if your primary place of employment is not a Canadian postsecondary institution or if your current mailing address is temporary	If address is temporary, indicate:
4th Floor, SLAIS I.K. Barber Learning Centre Vancouve BC V6T1Z1 CANADA	Starting date Leaving date

Telephone number	Facsimile number	E-mail address
1 (604) 8898148		vlemieux@mail.ubc.ca

Telephone number (alternate)	Give an alternate telephone number only if you can be reached at that number during business hours.	Gender (completion optional)
		☐ Male ☒ Female

LANGUAGE CAPABILITY

English	Read ☐	Write ☐	Speak ☐
French	Read ☒	Write ☒	Speak ☒

I wish to receive my correspondence: in English ☒   in French ☐

AREA(S) OF EXPERTISE

Provide a maximum of 10 key words that describe your area(s) of expertise. Use commas to separate them. If you have expertise with particular instruments and techniques, specify which one(s).	Research subject code(s)
Visual Analytics, Human Computer Interaction, Archival Science, Finance, Risk Analysis, Risk Management, Systemic Risk, IT Security, Software Development, Cognitive Task Analysis	Primary 2710 Secondary 8000

Form 100, Appendix A (2009 W)   **PROTECTED WHEN COMPLETED**   Version française disponible

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Natural Sciences and Engineering Research Council of Canada
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APPENDIX B (Form 100)
Eligibility Questionnaire for University Faculty

Complete this appendix if you are an applicant or co-applicant holding a position at a Canadian university that is not a tenured, tenure-track or life-time professor emeritus position at the time of application. **The information you provide must be for the position you will hold at the time the grant is awarded.** If you are not currently in that position, you must have a written firm offer. You may append any relevant information. See the eligibility criteria in the *Program Guide.*

The information will be used by NSERC staff to determine your eligibility to hold an NSERC grant. It will not be seen or used in the adjudication process.

	Date
	2013/03/18

Family name	Given name	Initial(s) of all given names	Personal identification no. (PIN)
Lemieux	Victoria	L	436742

Title of position at Canadian university

Assistant Professor

Is this an academic appointment?

[X] Yes   [ ] No

If you currently have a firm written offer of a tenured or tenure-track position, but have not taken up the position at the time of application, specify the expected start date of the appointment. The offer must meet the requirements stated in the NSERC *Program Guide*

Expected start date of the appointment (yyyy/mm)

If you currently hold, or have a firm offer of, a non-tenured or non-tenure-track position, complete the following information. The offer must meet the requirements stated in the NSERC *Program Guide,* under eligibility.

Is this a position of a limited duration?

[ ] Yes   [ ] No

If yes, specify the period of the appointment (yyyy/mm)

From   To

If you answered no, explain the terms of your appointment.

If your position offer is not yet confirmed by the university, provide an explanation

CERTIFICATION AND SIGNATURES

We attest that during tenure of the grant:

- the position will require the applicant to engage in research that is not under the direction of another individual, and authorize the applicant to supervise or co-supervise students registered in an undergraduate or graduate degree program or postdoctoral;
- if the applicant lives abroad or holds a position of any kind outside of Canada, he/she must spend a minimum of six months per year at an eligible Canadian institution;
- the applicant's salary will not be paid out of NSERC (or other federal granting council) grant funds and the applicant will not hold a federal granting council fellowship or scholarship (for exceptions, see eligibility in the NSERC *Program Guide);*
- the applicant will not be enrolled in a graduate program in the natural sciences or engineering.

_____
Applicant

_____
Head of department

_____
President of university
(or representative)

Canada

APPENDIX C (Form 100)
Description of Applicant's Activities

This information is collected to provide peer reviewers with additional information on your activities at the postsecondary institution and/or your main place of employment. Complete this appendix if:

i) you hold a part-time academic appointment at a Canadian postsecondary institution.
   This would include applicants or co-applicants holding an adjunct professor position, professor emeritus or part-time position, **or**

ii) you hold an academic appointment at a Canadian postsecondary institution which is not a tenured or tenure-track appointment.

		Date
		2013/03/18

Family name	Given name	Initial(s) of all given names	Personal identification no. (PIN)
Lemieux	Victoria	L	436742

DESCRIPTION OF ACTIVITIES AT CANADIAN POSTSECONDARY INSTITUTION

Outline the nature of your 1) research, 2) teaching, 3) training, 4) administrative and 5) other activities. Each of these aspects must be addressed. Indicate the time typically spent on location at the postsecondary institution on each of these activities (e.g., 1 day every week, 2 weeks every 4 months).

I hold one NSERC-CRD grant as co-PI and am a co-PI on two SSHRC grants on which I spend approximately 1-2 days per week supervising students and carrying out other research-related activities. I am also teaching three Masters-level courses, on which I spend 2 days per week in Term 1 and 1 day per week in Term 2. I also currently hold a position as Acting Director of UBC's Media and Graphics Interdisciplinary Centre (MAGIC). I typically spend 1.5 days per week on my duties as Acting Director of MAGIC, 1 day of which is devoted to different aspects of my research program and the remaining .5 day of which is used for administration.

DESCRIPTION OF ACTIVITIES AT PLACE OF EMPLOYMENT OTHER THAN CANADIAN POSTSECONDARY INSTITUTION (if applicable)

Place of employment other than Canadian postsecondary institution, including self-employment	I do not hold a position outside a Canadian postsecondary institution	X

Outline the nature of your research program and other activities at your other place of employment. Also describe the relationship between your research program at this organization and the proposed research. Refer to the institution's involvement in research and development, if possible.

Not applicable.

Natural Sciences and Engineering
Research Council of Canada

Conseil de recherches en sciences
naturelles et en génie du Canada

Appendix D (Form 100)
Consent to Provide Limited Personal Information About
Highly Qualified Personnel (HQP) to NSERC

NSERC applicants are required to describe their contributions to the training or supervision of highly qualified personnel (HQP) by providing certain details about the individuals they have trained or supervised during the six years prior to their current application. HQP information must be entered on the Personal Data Form (Form 100). This information includes the trainee's name, type of HQP training (e.g., undergraduate, master's, technical etc.) and status (completed, in-progress, incomplete), years supervised or co-supervised, title of the project or thesis, and the individual's present position.

Based on the federal *Privacy Act* rules governing the collection of personal information, applicants are asked to obtain consent from the individuals they have supervised before providing personal data about them to NSERC. In seeking this consent, the NSERC applicant must inform these individuals what data will be supplied, and assure them that it will only be used by NSERC for the purpose of assessing the applicant's contribution to HQP training. To reduce seeking consent for multiple applications, applicants will only need to seek consent one time for a six-year period. If the trainee provides consent by e-mail, the response must include confirmation that they have read and agree to the text of the consent form.

When consent cannot be obtained, applicants are asked to not provide names, or other combinations of data, that would identify those supervised. However, they may still provide the type of HQP training and status, years supervised or co-supervised, a general description of the project or thesis, and a general indication of the individual's present position if known.

An example of entering HQP information on Form 100 (with and without consent):

Name	Type of HQP Training and Status	Years Supervised or Co-supervised	Title of Project or Thesis	Present Position
Consent Received from Marie Roy				
Roy, Marie	Undergraduate (Completed)	Supervised 1994 - 1997	Isotope geochemistry in petroleum engineering	V-P (Research), Earth Analytics Inc., Calgary, Alberta
Consent Not Obtained from Marie Roy				
(name withheld)	Undergraduate (Completed)	Supervised 1994 - 1997	Isotope geochemistry	research executive in petroleum industry - western Canada

Consent Form

Name of Trainee

Applicant Information

Name
Lemieux, Victoria L

Department	Postsecondary Institution
Media and Graphics Interdisciplinary Centre	British Columbia

I hereby allow the above-named applicant to include limited personal data about me in grant applications submitted for consideration to NSERC for the next six years. This limited data will only include my name, type of HQP training and status, years supervised or co-supervised, title of the project or thesis and, to the best of the applicant's knowledge, my position title and company or organization at the time the application is submitted. I understand that NSERC will protect this data in accordance with the *Privacy Act*, and that it will only be used in processes that assess the applicant's contributions to the training of highly qualified personnel (HQP), including confidential peer review.

_____   _____
Trainee's signature   Date

Note: This form must be retained by the applicant and made available to NSERC upon request.

Canada