



FORM 100
Personal Data Form
PART I

Date

2013/06/17

Family name Bartram	Given name Linda	Initial(s) of all given names LR	Personal identification no. (PIN) Valid 115451
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☐ 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 Associate Professor	Tenured or tenure-track academic appointment Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Department Interactive Arts and Technology, School of (SIAT)	Part-time appointment <input type="checkbox"/> Full-time appointment <input checked="" type="checkbox"/>
Campus Surrey	<ul style="list-style-type: none">For all non-tenured or non tenure-track academic appointment and Emeritus Professors, complete Appendices B & CFor life-time Emeritus Professor and part-time positions, complete Appendix C
Canadian postsecondary institution	

ACADEMIC BACKGROUND

Degree	Name of discipline	Institution	Country	Date yyyy/mm
Bachelor's	Humanities/Political Science	British Columbia	CANADA	1975 / 06
Grad. Dipl	Computer Science	Concordia	CANADA	1986 / 06
Master's	Computer Science	Waterloo	CANADA	1989 / 01
Doctorate	Computer Science	Simon Fraser	CANADA	2001 / 06

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)		Total
	Supervised	Co-supervised	Supervised	Co-supervised	
Undergraduate			1		1
Master's	3		7	2	12
Doctoral	2	4	1		7
Postdoctoral					
Others	1				1
Total	6	4	9	2	21

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Family name

Bartram

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

Position held (begin with current)	Organization	Department	Period (yyyy/mm to yyyy/mm)
Associate Professor	Simon Fraser	Interactive Arts and Technology, School of (SIAT)	2005/07
Research Network Manager	UBC	NECTAR (NSERC Research Network)	2004/02 to 2005/06
Research Scientist	Colligo Networks	R&D	2001/06 to 2003/12
Research Associate	Simon Fraser University	Computer Science	1991/01 to 2001/06
Research Associate	University of Waterloo	Computer Science	1989/01 to 1990/11
Research Assistant	University of Waterloo	Computer Science	1986/09 to 1988/12
independent software consultant	School Services Ltd.		1985/03 to 1986/03

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Family name

Valid 115451

Bartram

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			
Lyn Bartram	User Interfaces for Complex Information	20,000	2006
	Environments	20,000	2007
	NSERC	20,000	2008
	Discovery Grant - individual	20,000	2009
	60 hours/month	20,000	2010
Lyn Bartram/Rob Woodbury	User Experience Design and Interactive Interfaces	52,000 (75%)	2009
	to Support Energy Conservation	35,000 (75%)	2010
	MITACS	17,500(100%)	2011
	Accelerate BC		
	50 hours/month		
Lyn Bartram/Rob Woodbury	West House	25,000 (50%)	2009
	BC Hydro	25,000 (50%)	2010
	other	25,000 (50%)	2011
			2012
	30 hours/month		2013
Rob Woodbury and Lyn Bartram	West House	347,500 (50%)	2010
	Western Economic Diversification		
	Western Economic Diversification		
	15 hours/month		

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Family name

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RESEARCH SUPPORTFamily name and initial(s)
of applicantTitle of proposal, funding source and program,
and time commitment (hours/month)Amount
per yearYears 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

Lyn Bartram

Mobile Applications for Energy Management

Nokia

Nokia University relations

10 hours/month

7,320

2010

Lyn Bartram/Rob Woodbury

WEST HOUSE

City of Vancouver

external

20 hours/month

75,000 (50%)

2010

Lyn Bartram/Rob woodbury

Visual Histories of Decision Processes for

Business Intelligence

SAP

ARC Doctoral Fellowship

15 hours/month

35,000 (50%)

2010

35,000 (50%)

2011

35,000 (50%)

2012

Lyn Bartram

Motion Frameworks for Physical Expression

MITACS

Accelerate BC

10 hours/month

15,000

2011

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Family name

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Bartram

RESEARCH SUPPORTFamily name and initial(s)
of applicantTitle of proposal, funding source and program,
and time commitment (hours/month)Amount
per yearYears 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

L Bartram

Social Media Use in the Greenest City
Conversations Project
MITACS/GRAND NCE/City of Vancouver
GRAND
10 hours/month

11,000(100%)

2011

Lyn Bartram

VP Research SFU
internal
10 hours/month

5,000(100%)

2013

b) Support currently held

Lyn Bartram

Meaning from Motion for Visualization and
Interaction
NSERC
Canada New Media Award
30 hours/month

127,560 (50%)

2009

122,560 (50%)

2010

118,560 (50%)

2011

2012

2013

Lyn Bartram

Human-Centred Technology for Sustainable
Living/Aesthetics and Visualization
GRAND Network of Centres of Excellence
NCE
40 hours/month

55,000(100%)

2010

49,500(100%)

2011

49,500(100%)

2012

50,000(100%)

2013

50,000(100%)

2014

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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.			
b) Support currently held			
Lyn Bartram	Ambient and Ubiquitous Visualization for Sustainability	14,000	2012
	NSERC Discovery 40 hours/month	14,000	2013
		14,000	2014
		14,000	2015
		14,000	2016
Lyn Bartram	West House FortisBC 10 hours/month	10,000(100%)	2013

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) Valid 115451	Family name Bartram
Name	Type of HQP Training and Status	Years Supervised or Co-supervised	Title of Project or Thesis	Present Position
(Name withheld)	Doctoral (In Progress)	Co-supervised 2010 -	Sustainable Living Environmental Design	Ph.D. student
(Name withheld)	Doctoral (In Progress)	Supervised 2010 -	Expressive Motion	Ph.D student
(Name withheld)	Doctoral (In Progress)	Co-supervised 2010 -	TBD	Ph.D. student
(Name withheld)	Doctoral (In Progress)	Co-supervised 2009 -	Collaborative visual histories for creative problem-solving	Ph.D. student
(Name withheld)	Master's (Completed)	Co-supervised 2009 - 2013	Encouraging cycling through ludic interfaces	Web user experience, SAP Inc.
(Name withheld)	Doctoral (Completed)	Supervised 2008 - 2013	Game Design Framework and Guidelines Based on a Theory of	just graduated
(Name withheld)	Master's (Completed)	Co-supervised 2009 - 2012	Physical Properties of Motion for Expression	Instructor, UP Open University
(Name withheld)	Master's (Completed)	Supervised 2008 - 2012	Transparency and AlphaBlending for Visualization	Learning Support, Athabaska University
(Name withheld)	Master's (Completed)	Supervised 2008 - 2010	Visualizations for Sustainable Living	Senior UI Developer, Tiny Speck Inc.
(Name withheld)	Master's (Completed)	Supervised 2007 - 2009	Motion for Visualization	Software engineer, Nintendo Inc.
(Name withheld)	Master's (Completed)	Supervised 2006 - 2009	An Information Model for Critical Infrastructure Interdepend	software engineer
(Name withheld)	Master's (Completed)	Supervised 2006 - 2009	Visualization of Social Networking	lecturer, SIAT
(Name withheld)	Master's (Completed)	Supervised 2006 - 2007	Visualizing Causality and Dependency	Software engineer, Thomson Financial
(Name withheld)	Master's (Completed)	Co-supervised 2003 - 2005	Role-Based Control of Shared Application Views	software engineer, Israel

Significant Contributions to Research and Practical Applications

1. Designing information interfaces and environments for encouraging sustainable living. I have developed a very active research program in designing information interfaces and environments for encouraging sustainable living. This work exemplifies research in practice. In collaboration with architect Professor Rob Woodbury, we began with a multi-university project to build a next-generation alternative energy house and have extended it to an extensive collaborative endeavour with multiple levels of government, academia, industry and non-profit involvement. My team has spent several years building a system and the two houses in which we have deployed it, both of which were high profile installations and showcases that in total have exposed the prototypes to over 130,000 people. In all cases I have led the team that plans these projects and guided and led the system designs. In addition, I have been largely responsible for engaging partners such as Fortis BC (gas utility), Embedded Automation (control system backbone), City of Vancouver, Future Energy, BC Hydro (electricity utility), and Pulse Energy, along with architects, landscape planners and community activists, in exploring and determining how information visualization, interactive computing and new media can help support more sustainable living.

Prototypes and installations

- Innovative visualizations for energy in the home. Interactive Exhibit, National Museum of Science and Technology, Oct 2013 (to appear).
- L. Bartram, **J. Rodgers** and **K. Muise**. The ALIS 2. Interactive Energy Management System for West House, a near net-zero sustainable home.
- L. Bartram, R. Woodbury, D. Ramslie. West House. A sustainable laneway house. West House was built in partnership with the City of Vancouver, the Government of Canada, BC Hydro and a variety of industrial contributors and is a multi-year living lab and technology research space..
- **J. Rodgers**, L. Bartram, **K. Muise**, **Y. He**. Adaptive Living Interface System, North House. A fully functional, zero-footprint, solar house. Official entry in the US DoE-sponsored International Solar Decathlon contest, Washington, DC, October 2009. 4th place finish.

Significant Publications **Note: a * denotes a student I supervise(d)** Full citation details are in the following section.

- K. Velikov, L. Bartram, G. Thün, L. Barhydt, *J. Rodgers and R. Woodbury, "Empowering The Inhabitant: Communications Technologies, Responsive Interfaces and Living In Sustainable Buildings," in Constructing Green, MIT Press, to appear.
- AMPds: A Public Dataset for Load Disaggregation and Eco-Feedback Research. *S. Makonin, F. Popowich, L. Bartram, R. Gill and I. Baljic. IEEE EPEC 2013, to appear.
- A Smarter Smart Home: Case Studies of Ambient Intelligence. S. Makonin, L. Bartram and F. Popowich. IEEE Pervasive Computing, 2012.
- The Affect of Lifestyle Factors on Eco-Visualization Design. S. Makonin, M. Kashani and L. Bartram. Computer Graphics International 2012
- ***J. Rodgers** and L. Bartram. Exploring ambient and artistic visualizations for residential energy use. IEEE Transactions on Visualization and Computer Graphics, 2011.
- ***S. Makonin**, P. Pasquier and L. Bartram. Elements of Consumption: an Abstract Visualization of Household Consumption. Proceedings of Smart Graphics 2011, pp. 194-198. 2011
- L. Bartram and R. Woodbury. Smart Homes or Smart Occupants? Reframing Computational Design
- L. Bartram, ***J. Rodgers** and R. Woodbury. Smart Homes or Smart Occupants? Supporting Aware Living in the Home.

- ***J. Rodgers**, L. Bartram and R. Woodbury. Challenges in Sustainable Human- Home Interaction.
- L. Bartram, ***J. Rodgers** and **K. Muise**. Chasing the Negawatt: Visualization for Sustainable Living.
- K. Velikhov and L. Bartram. North House: Developing Intelligent Building Technology and User Interface in Energy Independent Domestic Environments.

2. Motion and visualization. I have been heavily involved in foundational work exploring the applicability of simple motion techniques to visualization for a number of applications, including data mapping, interactive techniques for brushing and linking, causal representations and most recently the more nuanced areas of affect and meaning. I hold a Canada New Media Innovation award for this latter research, and collaborate with a major Canadian game company (Radical Entertainment) and an international 3D visualization and modeling company (Autodesk, Inc). My earlier work in motion in visualization is considered seminal in the field and continues to be heavily cited [A9] [A11].

Significant Publications

- ***M. Lockyer** and L. Bartram. Affective Motion Textures. Computers & Graphics, 2012.
 - ***M. Lockyer**, L. Bartram and B. Riecke. Simple Motion Textures for Ambient Affect. Proceedings of the International Symposium on Computational Aesthetics in Graphics, Visualization, and Imaging, CAe '11, Eurographics, 2011, pp 98-96. Winner, Best Paper.
 - L. Bartram and ***Ai Nakatani**. Distinctive Parameters of Expressive Motion. Proceedings of Computational Aesthetics 2009, June 2009, p 129-137.
 - L. Bartram and ***Ai Nakatani**. What Makes Motion Meaningful? Exploring the affective properties of abstract motion, Proceedings of Pacific Symposium in Image and Video Technology, 2010.
 - L. Bartram and ***M. Yao**. Animating Causal Overlays. Computer Graphics Forum 27(3): 751-758, 2008.
1. **Exploring the perceptual basis for design methods in visualization.** I am empirically and analytically investigating how approaches from visual design can be computationally modeled for improving the balance of visual elements and the accompanying layering hierarchy in dynamic visualizations. Some contributions to the field include:
- L. Bartram, ***B. Cheung** and M. Stone. The Effect of Colour and Transparency on the Perception of Overlaid Grids. IEEE Transactions on Visualization and Computer Graphics, accepted, to appear.
 - L. Bartram and M. Stone. Whisper, Don't Scream: Grids and Transparency. IEEE Transactions on Visualization and Computer Graphics, 17(10), pp 1444-1458, 2011.
 - M. Stone and L. Bartram. Alpha, Contrast and the Perception of Visual Metadata. Proceedings of the Color Imaging Conference 2008, Portland, 2008.
 - L. Bartram and M. Stone. Characterising Subtle Grids. Winner, Best Poster, IEEE Visualization 2007.
 - Design, Vision and Visualization. Workshop organiser, IEEE Visualization, 2008.

Recent Research and Practical Contributions

Refereed journal papers

- A1. ***S. Makonin**, L. Bartram, and F. Popowich, "A Smarter Smart Home: Case Studies of Ambient Intelligence," Pervasive Computing, IEEE, vol. 12, no. 1, pp. 58–66. 2013.
- A2. ***M. Lockyer** and L. Bartram. Affective motion textures, Computers & Graphics. 36(6), pp. 776-790. 2012.
- A3. ***J. Rodgers** and L. Bartram. Exploring Ambient and Artistic Visualizations for Residential Energy Use. IEEE Transactions on Visualization and Computer Graphics, December 2011, 17(12):2489-97.
- A4. Bartram, Lyn; ***Cheung, Billy**; Stone, Maureen; The Effect of Colour and Transparency on the Perception of Overlaid Grids IEEE Transactions on Visualization and Computer Graphics, 17 (12), 2011, pp 1942 – 1948
- A5. ***J. Rodgers**, L. Bartram, and R. Woodbury. 2011. Challenges in sustainable human-home interaction. ACM XRDS 17, 4 (June 2011), 42-46.
- A6. L. Bartram and M. Stone. Whisper, Don't Scream: Grids and Transparency. IEEE Transactions on

Visualization and Computer Graphics, 17 (10), Oct. 2011, pp. 1444-1458.

- A7. L. Bartram, ***J. Rodgers** and **K. Muise**. Chasing the Negawatt: Visualization for Sustainable Living. IEEE Computer Graphics and Applications, 30 (3), pp. 8-14.
- A8. L. Bartram and ***M. Yao**. Animating Causal Overlays. Computer Graphics Forum 27(3): 751-758, 2008
- A9. L. Bartram, C. Ware and T. Calvert. Moticons: Detection, Distraction and Task. International Journal of Human-Computer Studies, 58(5), pp. 515-545, 2003
- A10. D. S. McCrickard, M. Czerwinski, L. Bartram: Introduction: design and evaluation of notification user interfaces. International Journal of Human-Computer Studies. 58(5), pp. 509-514. 2003
- A11. L. Bartram and C. Ware. Filtering and Brushing With Motion. Journal of Information Visualization, 1(1), pp. 66-79. 2002

Refereed Archival Conference Papers

- A12. ***S. Makonin**, F. Popowich, L. Bartram, R. Gill and I. Baljic. AMPds: A Public Dataset for Load Disaggregation and Eco-Feedback Research. IEEE EPEC 2013, to appear 2013
- A13. ***D. Milam**, M. Seif el-Nasr, and L. Bartram. Visual Motion in a Railed Shooter Game: A Designer Study. Foundations of Digital Games 2013. 2013
- A14. ***Stephen Makonin**, ***Maryam H Kashani** and Lyn Bartram. The Affect of Lifestyle Factors on Eco-Visualization Design. Computer Graphics International 2012 (CGI 2012), pp 1-10. 2012
- A15. ***D. Maranan**, T. Schiphorst, L. Bartram and A. Hwang. Expressing Technological Metaphors in Dance Using Structural Illusion from Embodied Motion. ACM Creativity and Cognition 2013, to appear. 2013
- A16. ***M. Lockyer** and L. Bartram. "The aMotion Toolkit: Painting with Affective Motion Textures". Proceedings of Computational Aesthetics (CAe 2012), Eurographics, pp. 35-43. 2012
- A17. ***D. Milam**, M. Seif El-Nasr, L. Bartram, **B. Aghabeigi**, and **P. Tan**, Similarity in Visual Designs: Effects on Workload and Performance in a Railed-Shooter game, in 11th International Conference on Entertainment Computing (ICEC), Bremen, Germany 2012
- J. Rodgers** and L. Bartram. Exploring Ambient and Artistic Visualizations for Residential Energy Use. IEEE Conference on Information Visualization 2011, Rhode Island, to appear. (25% acceptance rate). 8 pages 2011
- A18. L. Bartram, M. Stone and ***B. Cheung**. The effect of color and transparency on the perception of overlaid grids. IEEE Conference on Visualization 2011, Rhode Island, accepted, to appear. 8 pages 2011
- A19. ***M. Lockyer**, L. Bartram and B. Rieke. Simple Motion Textures for Ambient Affect. In Proceedings of Computational Aesthetics 2011 Eurographics Conference on Computational Aesthetics in Graphics, Visualization and Imaging, Cae'11, Vancouver, BC, Canada. 8 pages. **Winner, Best Paper.** 2011
- A20. **Subyen, P., * Maranan, D. S.**, Schiphorst, T., Pasquier, P., Bartram, L. EMVIZ: The Poetics of Movement Quality Visualization. In Proceedings of Computational Aesthetics 2011 Eurographics Conference on Computational Aesthetics in Graphics, Visualization and Imaging, Cae'11, Vancouver, BC, Canada. 8 pages. 2011
- A21. L. Bartram, ***J. Rodgers** and R. Woodbury. Smart Homes or Smart Occupants? Supporting Aware Living in the Home. Proceedings of IFIP INTERACT 2011, Lisbon, Portugal, pp. 52-65. 2011
- A22. L. Bartram and R. Woodbury. Smart Homes or Smart Occupants? Reframing Computational Design Models for the Green Home. Proceedings of the AAAI Spring Symposium, Mar 2011, Palo Alto, CA. 8 pages 2011
- A23. ***K. Kozlova**, **R. Sheikholeslami**, L. Bartram, R. Woodbury. "Graph Visualization in Computer-Aided Design. An Exploration of Alternative Representations for GenerativeComponents Symbolic View" Proceedings of the 16th International Conference on Computer Aided Architectural Design Research in Asia (CAADRIA), 27-29 April 2011. 10 pages 2011
- A24. L. Bartram and ***A. Nakatani**. What Makes Motion Meaningful? Exploring the affective properties of abstract motion, Proceedings of Pacific Symposium in Image and Video Technology, 2010., pp. 2010

468-474

- A25. ***M. Erfani Joorabchi, A. Dalvandi, H. Seifi**, L. Bartram, and C. D. Shaw . Visualizing Search Results: Evaluating an Iconic Visualization, Proceedings of VDA 2010 Conference on Visualization and Data Analysis 2010 , San Jose, California, January 18-21, 2010. 8 pages. 2010
- A26. K. Velikov and L. Bartram. North House: Developing Intelligent Building Technology and User Interface in Energy Independent Domestic Environments. In Architecture, Energy and the Occupant's Perspective, Proceedings of PLEA2009, pp. 67-78 2009
- A27. L. Bartram and ***A. Nakatani**. Distinctive Parameters of Expressive Motion. Proceedings of Computational Aesthetics 2009, June 2009. 8 pages. 2009
- A28. **J.D. Yim**, C. Shaw and L. Bartram. MusicianMap: Visualizing Music Collaborations Over Time. Proceedings of VDA 2009 Conference on Visualization and Data Analysis 2009 , San Jose, California, January 19-22, 2009. 8 pages. 2009
- A29. M. Stone and L. Bartram. Alpha, Contrast and the Perception of Visual Metadata. in Proceedings of the 16th IS&T/SID Color Imaging Conference (Portland November 11-14, 2008), pp 355-359. 2008
- A30. *** L. Berry**, L. Bartram and K.S. Booth. Role-Based Policies to Control Shared Application Views. UIST '05, Seattle, Wa. 8 pages. 2005

Refereed Posters/Short Papers

- S1. L. Bartram. Policy, Permitting and Prototyping: the Challenges of Implementing Change. Engineering Sustainability 2011, Pittsburgh, PA. 3 pages. 2011
- S2. L. Bartram and ***J. Rodgers**. Sustainability Is More Than Green Buildings. Engineering Sustainability 2011, Pittsburgh, PA. April 2011. Short paper, 2 pages. 2011
- S3. L. Bartram. Designing for Sustainable Living: Challenges from the Field. ACM CHI Workshop on HCI, Politics and the City, CHI 2011. 2011
- S4. L. Bartram, ***J. Rodgers** and **K. Muise**. Supporting Sustainable Living: Aware Homes And Smart Occupants. Workshop on Ubiquitous Computing for Sustainable Energy, Ubicomp 2010, ACM. 2010
- S5. L. Bartram, ***J. Rodgers** and **K. Muise**. Supporting Sustainable Living: Aware Homes And Smart Occupants. Workshop on Ubiquitous Computing for Sustainable Energy, Ubicomp 2010, ACM. 2010
- S6. *** J. Rodgers**, L. Bartram. "Visualizing Residential Resource Use: A Framework for Design." Proceedings of InfoVis 2010. 2010
- S7. *** J. Rodgers**, L. Bartram. "ALIS: An Interactive Ecosystem for Sustainable Living." Proceedings of UbiComp 2010. 2010
- S8. *** J. Rodgers**, L. Bartram, ***J. Fan**. "Ambient and Artistic Visualization of Residential Resource Use," Proceedings of Graphics Interface, 2010. 2010
- S9. **Y. He, X. Yan** and L. Bartram. Spatial Frequency for Image Search. Poster, ACM Conference on Applied Perception and Visualization in Graphics, (APGV) 2008. 2008
- S10. L. Bartram. Designing support for managing critical infrastructure interdependencies in emergencies. Workshop on HCI For Emergencies, ACM CHI 2008 2008
- S11. L. Bartram. Designing Transparent Overlays. Workshop on Design, Vision and Visualization. IEEE Visualization 2008. 2008
- S12. L. Bartram and M. Stone. Characterising Subtle Grids. **Winner, Best Poster**, IEEE Visualization 2007. 2006
- S13. L. Bartram, M. Stone and D. Gromala. Great Grids: How and Why. Applied Perception in Computer Graphics and Visualization 2006. 2006

Contributions to practical applications

Patents and technology transfer

- [B1] L. Bartram and N. Sawadsky. Codeword-Enhanced Peer-to-peer Authentication. US Patent Application U.S. Patent # 7,293,284, issued, November 6, 2007.

- [B2] L. Bartram, M. Chesser, N. Sawadsky, S. Schumacher and M. Blackstock. Peer-to-peer Authentication for Real-Time Collaboration. US Patent # 7392375. Issued 2009.
- [B3] R. Dembo and L. Bartram. System And Method For Generating, Processing And Displaying Data Relating To Consumption Data With An Application. US Patent Application, filed Sept. 14, 2011; revised Sept. 14, 2012. Patent filed by Zero Footprint, Inc.

Prototypes, systems and installations

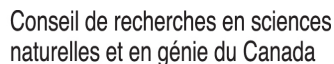
2. J. Rodgers and L. Bartram. Ambient energy displays for residential energy use. 2010
3. L. Bartram, * **J. Rodgers**, K. Muise and **R. Mackenzie**. The Aware Living Interface System (ALIS): Version 2. Interactive Energy Management System for PC, mobile and embedded home use. 2011
4. L. Bartram, R. Woodbury, D. Ramslie. West House Living Lab 2011. A sustainable laneway house. West House was moved and extended from its original construction. It is a multi-year project with the City of Vancouver, BC Hydro and a variety of industrial contributors and is a multi-year tenanted living lab. It incorporates renewable energy technologies, water and gas metering, smart metering and interactive technologies, and social media outreach. 2011
 -
5. L. Bartram, R. Woodbury, D. Ramslie. West House SFU sustainable laneway home, version 1. West House was built in partnership with the City of Vancouver, BC Hydro and a variety of industrial contributors 2010
 - Showcased at the 2010 Olympics (>66,000 visitors)
6. * **J. Rodgers**, **K. Muise**, L. Bartram, **Y. He** and **R. Mackenzie**. The Aware Living Interface System (ALIS): Version 1. Interactive Energy Management System for PC, mobile and embedded home use. 2009
7. G. Thun, K. Velikov, L. Bartram, R. Woodbury, A. Fung. North House. A fully functional, zero-footprint, solar house. 2009
 - 4th place, 2009 International Solar Decathlon, Washington, DC (> 65,000 visitors)
8. M. Lockyer (from work done with L. Bartram and P. Pasquier). Kinetic art, public art installation, Chile. 2011

Awards

- Finalist, Surrey City Green Energy Awards, in partnership with Embedded Automation Inc,
- North House. 2011 RAIC Award of Excellence for Innovation in Architecture. Given by the Royal Architectural Institute of Canada, this is the only major Canadian architectural award program that recognizes design/research.
- ALIS/North House. R&D Award, Best Green Design. Architect Magazine
 - Architect Magazine is one of the two top magazines in the field of professional architecture. The award was given to the North House project on the strength of the ALIS design and implementation

Contributions to the Training of Highly Qualified Personnel (HQP)

I have supervised to graduation 8 Masters' students, 2 of whom I co-supervised, and 1 PhD student. 8 of the Masters graduates are currently employed in industry (7) and academia (1); the other is a current PhD student. I currently supervise or co-supervise 6 PhD students and 2 Masters' students with one incoming in the fall.



**SEND ONE
ORIGINAL ONLY
DO NOT
PHOTOCOPY**

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.

[illegible]



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 Bartram, Linda LR	
Department Interactive Arts and Technology, School of (SI	Postsecondary Institution Simon Fraser
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 <i>Privacy Act</i> , 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.	