

JOHN BROSZ

Phone: (403) 701 3922

<http://brosz.ca>

jdlbrosz@ucalgary.ca

EDUCATION

- | | |
|---|------|
| PhD in Computer Science, University of Calgary
Thesis: Flexible Project; Supervisor: F. F. Samavati | 2011 |
| MSc in Computer Science, University of Calgary
Thesis: Terrain By-Example, Supervisors: F. F. Samavati & M. Costa Sousa | 2005 |
| BSc in Computer Science, University of Calgary
w/ Distinction & Internship | 2003 |

WORK EXPERIENCE

- | | |
|---|-----------------------------|
| Acting Director, Lab NEXT
Libraries and Cultural Resources, University of Calgary | 2022/7 –
2023/6 |
| <ul style="list-style-type: none">Invited to this role to cover a research leave and have continued in this capacity due to advancement of the current Director.Coordinate policies, procedures, staff, and services in Lab NEXT - a space designed to facilitate interdisciplinary research, collaboration, and creation. Includes virtual reality devices, makerspace equipment, media creation, and high-performance computers.Organize 20 hours a week of service desk coverage and supervise a full-time support staff member.Adapted operations to continue access and support for students and scholars without the previously maintained 50+ hours/week of student staffing. | and
2023/11 -
present |
| Associate Curator, Data and Visualization
Libraries and Cultural Resources, University of Calgary | 2023 -
present |
| <ul style="list-style-type: none">Developed visualizations for quantitative and qualitative data. Projects included supporting researchers in visualizing survey data, visualizing energy usage for the Sustainability Office, and qualitative visualization for the Office of Indigenous Engagement.Implementation coordinator for EBSCO's Panorama visualization system, coordinating communication between EBSCO and the library's data stewards.Developed, presented, and coordinated a variety of workshops to train faculty, students, and staff in research data and visualization skills. Novel workshops included Visualization of Survey Data, Network Visualization, and Qualitative Data Visualization. | |

Coordinator, Data Visualization

2020-2023

Libraries & Cultural Resources, University of Calgary

- Developed software and websites for visualizing, collecting, and normalizing data using Tableau, PowerBI, D3, C#, three.js, php, and javascript.
- Developed and presented a variety of workshops to train faculty, students, and staff in research data and visualization skills.

Project Coordinator, The Andrew W. Mellon Foundation Grant2017-2020
secondment

Libraries & Cultural Resources, University of Calgary

- Administered sub-grant competition distributing \$400,000 to multidisciplinary research projects proposed by University of Calgary scholars related to the topics of Smart Cities, Cultural Discourse, or Arctic Studies.
- Collaborated with twenty-one teams of scholars to develop letters of intent into full proposals with focus on expanding meaningful library involvement and connections to library expertise in support of the grant's ultimate goal of exploring and expanding the library's support for research activities.
- Worked with the Research Services Office to ensure that funds properly managed and IP handled according to the sponsor's unique requirements.
- Provided data visualization (software development with javascript, visualization design, data wrangling) expertise to five of the twelve sub-grant research projects.
- Continued support for visualization activities from previous position including instruction and training on visualization techniques and software and research data management to librarians, researchers, and students through course guest-lectures and workshops.
- Organized two annual external review visits and a day-long symposium attended by 90+ participants.
- Co-authored three papers and three presentations on project outcomes.

Sessional Instructor - Information Visualization

2019

Computer Science, University of Calgary

Instructor for Computer Science 583 Introduction to Information Visualization (44 students).

- Developed and delivered lectures as well as projects and assignments covering a variety of visualization topics including: D3, visual encoding, representation, interaction, design process, and evaluation.
- Supervised a teaching assistant, providing learning objectives and topics for twice-weekly tutorials.

Research Data & Visualization Coordinator

2015-2017

Libraries & Cultural Resources, University of Calgary

- Worked within Libraries and Cultural Resources and across the university to develop policies, procedures, infrastructure, and support for research data production, management, and curation.

- Provided consultation services for scholars, students, and staff for implementing project-specific strategies for research data management.
- Provided instruction and training on visualization techniques and software and research data management to librarians, researchers, and students through course guest-lectures and workshops.
- Setup several Linux-based virtual machines to deploy and test research data repositories.
- Selected and operationalized an institutional data repository.
- Continued to operate and enable research activities in the Visualization Studio.

Visualization Research Coordinator

2012-2015

Libraries & Cultural Resources, University of Calgary

- Operated & promoted state-of-the-art research & teaching facility used by scholars from areas across the University including Anthropology, Art, Astronomy & Astrophysics, Computer Science, Geography, English, Psychology, and Urban Design.
- Developed data visualizations and programmed software for research projects and library use using D3, PHP, Flash, and C# (Projects [1](#), [2](#), [3](#), [4](#))
- Organized and supported events related to research projects (e.g., SurfNet annual meeting) as well as other visualization/technology initiatives (e.g., library's Beakerhead activities, Data for Good Datathons).
- Provided instruction and training on visualization techniques and software to librarians, researchers, and students through course guest-lectures and workshops.
- Created web-based public displays promoting library resources and knowledge transfer for campus research.

Post-Doctoral Researcher

2009-2010

Innovis Group, Interactions Lab, Computer Science, University of Calgary

(part time)

- Maintained a large C++ codebase of ongoing lab research projects while developing new research software using C#, C++, JAVA, OpenGL, and NVIDIA PhysX (Projects [1](#), [2](#), [3](#)).
- Assisted in supervision of three graduate students/interns.
- Collaborator involved in seven research projects, gaining knowledge of human-computer interfaces, touch-displays, and information visualization.
- Coauthor of three papers, two short papers, and one art installation.

2010-2012

(full time)

Software Developer (Intern)

2001-2002,

O'Connor Associates Environmental Inc.

2003

- In a team of four developers, I worked on desktop and web-based data-entry & analysis software development. I contributed to two desktop applications and three web applications.
- Researched and prototyped web-based techniques for future projects.
- Provided desktop and server IT support.

RESEARCH PUBLICATIONS

Journal Articles

Karen Bourrier, Dan Jacobson, and John Brosz (2024). The 'Wilds of Brompton': Mapping Nineteenth-Century Women Writers' Early Careers in the Sociable London Suburbs. *Journal of Victorian Culture*, Volume 29, Number 3, pages 363-382. DOI: [10.1093/jvcult/vcae012](https://doi.org/10.1093/jvcult/vcae012).

Karen Bourrier, John Brosz, and Dan Jacobson (2022). Mornington Crescent: A Miniature Portrait. *Victorian Studies*, Volume 65, Number 1, pages 24-31. DOI: [10.2979/victorianstudies.65.1.04](https://doi.org/10.2979/victorianstudies.65.1.04).

H. Thomas Hickerson, John Brosz, and Leonora Crema (2022). Creating New Roles for Libraries in Academic Research: Research Conducted at the University of Calgary, 2015-2020. *College and Research Libraries*, 83(1). DOI [10.5860/crl.83.1.129](https://doi.org/10.5860/crl.83.1.129).

Karen Bourrier, Hannah Anderson, Sonia Jarmula, David Lapins, Kaelyn Macaulay, Peter Peller, Ingrid Reiche, John Brosz, and Dan Jacobson (2021). Mapping Victorian Homes and Haunts: A Methodological Introduction. *Journal of Victorian Culture*. 26(2), Oxford Press. DOI [10.1093/jvcult/vcab003](https://doi.org/10.1093/jvcult/vcab003).

Stefania Forlini, Uta Hinrichs, and John Brosz (2018). Mining the material archive: balancing sensate experience and sense-making in digitized print collections. *Open Library of Humanities*. 4(2). DOI [10.16995/olh.282](https://doi.org/10.16995/olh.282).

Haleh Alemasoon, Faramarz F. Samavati, John Brosz, and David Layzell (2016). EnergyViz: an interactive system for visualization of energy systems. *The Visual Computer*. Springer. DOI [10.1007/s00371-015-1186-8](https://doi.org/10.1007/s00371-015-1186-8).

Katayoon Etemad, Dominikus Baur, John Brosz, Sheelagh Carpendale, and Faramarz F. Samavati (2014). PaisleyTrees: A Size-Invariant Tree Visualization. *EAI Endorsed Transactions on Creative Technologies*. 14(1), ICST. DOI [10.4108/ct.1.1.e2](https://doi.org/10.4108/ct.1.1.e2).

John Brosz, Sheelagh Carpendale, and Miguel Nacenta (2011). The Undistort Lens. *Computer Graphics Forum (Proceedings of EuroVis 2011)*. Wiley-Blackwell. DOI [10.1111/j.1467-8659.2011.01937.x](https://doi.org/10.1111/j.1467-8659.2011.01937.x).

Tom Bowen, John Brosz, Kristylea Brosz, Jacques Hebert, and Bruce Ritchie (2010). Management of hereditary angioedema: 2010 Canadian approach. *Allergy, Asthma, & Clinical Immunology (AACI)*. BioMed Central. DOI [10.1186/1710-1492-6-20](https://doi.org/10.1186/1710-1492-6-20).

Tom Bowen et al. (60 authors) (2010). 2010 International consensus algorithm for the diagnosis, therapy and management of hereditary angioedema. *Allergy, Asthma, & Clinical Immunology (AACI)*. BioMed Central. DOI [10.1186/1710-1492-6-24](https://doi.org/10.1186/1710-1492-6-24).

Peer Reviewed Conference Papers

Susan Brown, Kiera Obbard, John Brosz, Amelia Flynn, Martha Matsui, Alliyya Mo, and Deb Stacey (2025). Surfacing boundary objects: measuring context diversity in feminist literary history. Short paper presented at Digital Humanities, Lisbon, Portugal.

H. Thomas Hickerson and John Brosz (2019). Remaining Relevant: Critical Roles for Libraries in the Research Enterprise. Paper presented at: IFLA WLIC 2019 - Athens, Greece - Libraries: dialogue for change. libryary.ifla.org.

Shima Dadkhahfard, Katayoon Etemad, John Brosz, and Faramarz Samavati (2018). Area Preserving Dynamic Geospatial Visualization on Physical Globe. In Proceedings of the International Conference on Information Visualization Theory and Applications (IVAPP). SCITEPRESS. DOI [10.5220/0006627303090318](https://doi.org/10.5220/0006627303090318).

Rahul Kamal Bhaskar, Craig Anslow, John Brosz, and Frank Maurer (2016). Developing usable APIs with XP and cognitive dimensions. In Proceedings of the IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC). IEEE. DOI [10.1109/VLHCC.2016.7739671](https://doi.org/10.1109/VLHCC.2016.7739671).

Craig Anslow, John Brosz, Mike Boyes, and Frank Maurer (2016). Datathons: An Experience Report of Data Hackathons for Data Science Education. In Proceedings of the ACM Special Interest Group on Computer Science Education (SIGCSE). ACM. DOI [10.1145/2839509.2844568](https://doi.org/10.1145/2839509.2844568).

Fateme Rajabiyazdi, Jagoda Walny, Carrie Mah, John Brosz, and Sheelagh Carpendale (2015). Understanding Researchers' Use of a Large, High-Resolution Display Across Disciplines. In Proceedings of the International Conference on Interactive Tabletops & Surfaces (ITS). ACM. DOI [10.1145/2817721.2817735](https://doi.org/10.1145/2817721.2817735).

Lindsay MacDonald, John Brosz, Miguel Nacenta, and Sheelagh Carpendale (2015). Designing the Unexpected: Endlessly Fascinating Interaction for Interactive Installations. In Proceedings of the International Conference on Tangible, Embedded, and Embodied Interaction (TEI). ACM. DOI [10.1145/2677199.2680603](https://doi.org/10.1145/2677199.2680603).

Haleh Alemasoom, Faramarz Samavati, John Brosz, and David Layzell (2014). Interactive visualization of energy system. In Proceedings of the International Conference on Cyberworlds (CW). EuroGraphics & IEEE. DOI [10.1109/CW.2014.39](https://doi.org/10.1109/CW.2014.39).

John Brosz, Miguel Nacenta, Richard Pusch, Sheelagh Carpendale, and Christophe Hurter (2013). Transmogrification: Casual Manipulation of Visualizations. In Proceedings of User Interface Software and Technology Symposium (UIST). ACM. DOI [10.1145/2501988.2502046](https://doi.org/10.1145/2501988.2502046).

Florian Perteneder, Christian Grossauer, Thomas Seifried, Jagoda Walney, John Brosz, Anthony Tang, Sheelagh Carpendale, and Michael Haller (2012). Idea playground: When brainstorming is not enough. In Proceedings of Designing Collaborative Interactive Spaces for e-Creativity, e-Science and e-Learning Workshop at the International Working Conference on Advanced Visual Interfaces (AVI).

Kimberley Mikulecky, Mark Hancock, John Brosz, and Sheelagh Carpendale (2011). Exploring Physical Information Cloth on a Multitouch Table. In Proceedings of Interactive Tabletops and Surfaces (ITS). ACM. DOI [10.1145/2076354.2076381](https://doi.org/10.1145/2076354.2076381).

John Brosz and Faramarz Samavati (2010). Shape-Defined Panoramas. In Proceedings of Shape Modeling International, 57-67. IEEE. DOI [10.1109/SMI.2010.23](https://doi.org/10.1109/SMI.2010.23).

John Brosz, Sheelagh Carpendale, Faramarz Samavati, Hao Wang, and Alan Dunning (2009). Art and Nonlinear Projection. In Proceedings of Bridges 2009: Mathematical Connections in Art, Music and Science.

John Brosz, Faramarz Samavati, Sheelagh Carpendale, and Mario Costa Sousa (2007). Single Camera Flexible Projection. In Proceedings of the International Symposium on Non-Photorealistic Animation and Rendering (NPAR). ACM SIGGRAPH and EG. DOI [10.1145/1274871.1274876](https://doi.org/10.1145/1274871.1274876).

John Brosz, Faramarz Samavati, and Mario Costa Sousa (2006). Terrain Synthesis By-Example. In Proceedings of the International Conference on Computer Graphics Theory and Applications (GRAPP). EuroGraphics.

John Brosz, Faramarz Samavati, and Mario Costa Sousa (2004). Silhouette Rendering Based On Stability Measurement. In Proceedings of the Spring Conference of Computer Graphics 2004 (SCCG '04), ACM SIGGRAPH & EuroGraphics.

Research Book Chapters

John Brosz (2022). Supporting the Research Experience: Creating a Hub for Interdisciplinary Collaboration. In H. Thomas Hickerson, Joan K. Lippincott, and Leonora Crema (Ed.) Designing Libraries for the 21st Century, pages 353-364. Assoc. of College & Research Libraries. ISBN 978-0838936764. [Ala.org](https://ala.org).

John Brosz, Miguel A. Nacenta, Richard Pusch, Christophe Hurter, and Sheelagh Carpendale (2016). Transmogrifications: Casual Manipulation of Visual Information. In Frank Maurer (Ed.) SurfNet: Designing Digital Surface Applications, pages 95 - 103. NSERC SurfNet, University of Calgary, Calgary, Alberta, Canada. ISBN 9780889533875. <http://hdl.handle.net/1880/51188>.

Uta Hinrichs, Alice Thudt, Lindsay MacDonald, Miguel Nacenta, John Brosz and Sheelagh Carpendale (2016). Beyond Efficiency: Intriguing Interaction for Large Displays in Public Spaces. In Frank Maurer (Ed.) SurfNet: Designing Digital Surface Applications, pages 347 - 373. NSERC SurfNet, University of Calgary, Calgary, Alberta, Canada. ISBN 9780889533875. <http://hdl.handle.net/1880/51188>.

John Brosz, Faramarz Samavati, and Mario Costa Sousa (2007). Terrain Synthesis By-Example. Advances in Computer Graphics and Computer Vision, Vol 4(2), 58-77. Springer Berlin Heidelberg. DOI [10.1007/978-3-540-75274-5_4](https://doi.org/10.1007/978-3-540-75274-5_4).

Other Refereed Submissions

Chelsea Ambler, John Brosz, Susan Powelson (2014). Using Bohemian Bookshelf for serendipitous exploration of a history of medicine rare book collection. J Med Lib Assoc 102(4). [Virtual Projects Column]

Susan Berstler, Christopher Erdmann, John Brosz, Shawna Sadler, Lisa Hardy, Markus Wust, Matt Bernhardt (2014). The Future of Digital Scholarship. Info. Outlook: 18(4). Special Libraries Association. Handle [10536/DRO/DU:30071894](https://hdl.handle.net/10536/DRO/DU:30071894). [Magazine Article]

Lindsay MacDonald, David Ledo, Miguel Nacenta, John Brosz, and Sheelagh Carpendale (2013). Authorship in Art/Science Collaboration is Tricky. Proceedings of the CHI Workshop on Crafting Interactive Systems: Learning from Digital Arts Practice. Handle [1880/50647](https://hdl.handle.net/1880/50647). [Workshop Paper]

Christian Grossauer, Florian Perteneder, Michael Haller, Jagoda Walny, John Brosz, Anthony Tang, and Sheelagh Carpendale (2012). MathSketch: Designing a Dynamic Whiteboard for Instructional Contexts. Educational Interfaces, Software, and Technology (EIST). [Workshop Paper]

Lindsay MacDonald, Miguel Nacenta, John Brosz, and Sheelagh Carpendale (2012). A Delicate Agreement. The New Alberta Contemporaries, Esker Foundation, Calgary, Canada. [Art Installation]

Ricardo Langner, John Brosz, Raimund Dachsel, and Sheelagh Carpendale (2010). PhysicsBox: Playful Educational Tabletop Games. ACM Interactive Tabletops and Surfaces (ITS). ACM. [Poster]

Other Publications

Karen Bourrier and John Brosz (2022). Women Writers Have Had Plenty of Babies. Here's the Data. Slate, Sept 25, 2022. [[Slate](#)]

John Brosz (2020). Critical Roles for Libraries in Today's Research Enterprise 2019 Symposium Proceedings. Washington, DC. DOI [10.11575/PRISM/37530](https://doi.org/10.11575/PRISM/37530).

Amber Leahey, Eugene Barsky, John Brosz, Alex Garnett, Vincent Gray, Joseph Hafner, Kara Handren, Amanda Harrigan, Christian Lacroix, Julianne Pascoe, Catelynne Sahadath, Dany Savard, Andrew Senior, Barbara Towell, Lee Wilson (2017). Metadata for Discovery: Disciplinary Standards and Crosswalk Progress Report. Prepared by the Portage Network on behalf of the Canadian Association of Research Libraries (CARL). DOI [10.14288/1.0355406](https://doi.org/10.14288/1.0355406).

Eugene Barsky, John Brosz, Amber Leahy (2016). Research Data Discovery and the Scholarly Ecosystem in Canada: A White Paper. Prepared by the Portage Network on behalf of the Canadian Association of Research Libraries (CARL). DOI [10.14288/1.0307548](https://doi.org/10.14288/1.0307548).

Other Material

[Dataset] Rebecca Sullivan, John Brosz, and Ludovik Chojnacki (2025). The Legacy of Studio D Project Data. PRISM Data. DOI [10.5683/SP3/ZOTFR9](https://doi.org/10.5683/SP3/ZOTFR9).

[Interactive Map] Dan Jacobson, Hawjin Falahatkar, John Brosz, and Karen Bourrier (2024). Map of 19th Century Writers. PRISM. DOI [10.11575/PRISM/43289](https://doi.org/10.11575/PRISM/43289).

[Dataset] John Brosz (2016). Library Activity Data. PRISM Data. DOI [10.5683/SP/AVBWJM](https://doi.org/10.5683/SP/AVBWJM).

Acknowledgements & Contributions to Published Research

Karen Bourrier (2025). Feminism, Reform, and the Professional Women Writer in the 1870s. In Alison Chapman (Ed.) Nineteenth-Century Literature in Transition: The 1870s, pages 85-106. Cambridge University Press. ISBN 9781108845182, DOI [10.1017/9781108954792](https://doi.org/10.1017/9781108954792). [Contributed two visualizations used as figures.]

Jason Wiens (2024). The Alice Munro Papers: A Collective Genetic Approach. Variants. The Journal of the European Society for Textual Scholarship 17-18, pages 197-217. DOI [10.4000/130s](https://doi.org/10.4000/130s). [Contributed three collaboratively created visualizations and an additional figure.]

Gordon Brasnett (2022). Mapping Techno-Economic Feasibility of Geothermal Energy Resources in Alberta. University of Calgary, Calgary, AB. DOI [10.11575/PRISM/40196](https://doi.org/10.11575/PRISM/40196). [Acknowledgement for assistance with data visualization.]

Kailey Fukushima and Karen Bourrier (2020). Inside Digital Dinah Craik: Feminist pedagogy, cognitive apprenticeship, and the TEI. *Journal of the Text Encoding Initiative*, (12). DOI: [10.4000/jtei.2185](https://doi.org/10.4000/jtei.2185). [Acknowledgement for assistance with data visualization.]

Karen Bourrier and Mike Thelwall (2020). The social lives of books: Reading Victorian literature on Goodreads. *Journal of Cultural Analytics*, 5(1). DOI [10.22148/001c.12049](https://doi.org/10.22148/001c.12049). [Acknowledgement for contributions to this research.]

Uta Hinrichs, Stefania Forlini, and Bridget Moynihan (2018). In defense of sandcastles: Research thinking through visualization in digital humanities, *Digital Scholarship in the Humanities*, Volume 34, Issue Supplement 1, December, pages i80–i99, DOI [10.1093/llc/fqy051](https://doi.org/10.1093/llc/fqy051). [Acknowledged for contributing an online, interactive database for the project data.]

Rahul Kamal Bhaskar, Mahshid Marbouti, S. M. Waliur Rahman, Julia Paredes, Ostap Orobets, Amir Karbalaeei, Xuezhong Hu, Craig Anslow, Frank Maurer (2014). LibraryVis: Towards Visually Understanding Library Resource Usage. Proceedings of the IEEE VIS 2014 Conference, Paris, France. [LINK](#) [Acknowledged for contributions to the research project.]

ACADEMIC PRESENTATIONS AND TALKS

Workshops and Events

Symposium: Critical Roles for Libraries in Today's Research Enterprise. Dec. 2019. At The Coalition for Networked Information Fall Meeting. With Thomas Hickerson. Washington, DC. 95 participants. [Coordinator]

Preconference on Digital Displays for Visualization, Engagement, & Learning. Sept 2016. At Designing Libraries for the 21st Century. With Susan Powelson, Renee Reaume, Dylan Tetrault, and Justin Anders. University of Calgary. 40 participants. [Member of organization committee]

Day-long workshop on Data Visualization at ACCOLEDS 2015. Dec 2015. With Renee Reaume. Calgary. 40 participants. [Invited workshop]

Day-long Association of College and Research Libraries workshop on Data Visualization at the American Library Association 2015 Annual Conference. June 2015. With Renee Reaume & LeeAnne Morrow. San Francisco. 40 participants. [Reviewed Submission]

Presentations, Panels, and Webinars

Conference Presentation: Susan Brown, Kiera Obbard, John Brosz, Amelia Flynn, Alliyya Mo, and Deb Stacey. May 2025. Surfacing boundary objects: measuring context diversity in feminist literary history. At Canadian Society for Digital Humanities (CSDH/SCHN), Toronto. [Reviewed Submission]

Conference Presentation: Susan Brown, John Brosz, Amelia Flynn, Alliyya Mo, and Kiera Obbard. November 2024. Making feminist literary history with boundary objects. At Rewritings of Literary History and Algorithms. UIC, Chicago. [Reviewed Submission]

PROJECTION Conference Presentation (Virtual): John Brosz. July 2024. Bringing AI Image Generation to the Library. July 2024. Association of Creative Technologies in Academic Libraries (ACTAL). Hosted by Virginia Commonwealth University. [Reviewed Submission]

Panel (Virtual): Mennatallah El-Assady, Milena Radzikowska, and John Brosz. April 2024. Data Visualization Experts Panel. Libraries and Archives Canada's Virtual Panels on Creative Use of Data in the Digital Humanities. [Invited Panelist]

Conference Presentation: John Brosz, Alliyya Mo, and Karen Bourrier. May 2023. From SPARQL to Tableau: How to Transform LINC'S Data into Tableau Visualizations to Explore Datasets and Investigate Ideas. At Making Links: Connections, Cultures, Contexts. University of Guelph. [Invited Presentation]

Webinar: Mary-Jo Romaniuk, Justine Wheeler, and John Brosz. January 2020. Visualizing Library Assessment Data. For the Association of College and Research Libraries Insider.

Conference Presentation: H. Thomas Hickerson and John Brosz. December 2019. Redesigning the Researcher-Library Experience: Case Studies, Key Questions. Dec 2019. At the Coalition for Networked Information Fall Meeting, Washington, USA.

Presentation: John Brosz. February 2019. Partnering with Scholars: Coordinating Functional Support for Campus Research. Invited talk for Georgetown University Library.

Conference Presentation: H. Thomas Hickerson, John Brosz, and Suzanne Goopy. December 2018. What is the Future of Libraries and Academic Research? At the Coalition for Networked Information Fall Meeting, Washington, USA. [Reviewed Submission]

Webinar: John Brosz and Robin Smith. December 2017. Data Management Planning: Evolving Tri-Agency Expectations and Collaborative Models of Support. For the Canadian Association of Research Administrators (CARA). [Reviewed Submission].

Conference Panel: John Brosz, E. Patrick Rashleigh, and Josh Boyer. December 2015. Experiences with High Resolution Display Walls at Academic Libraries. At the Coalition for Networked Information Fall Meeting, Washington, USA. [Organizer and Panelist, Reviewed Submission]

Conference Panel: David Woodbury, John Brosz, Mike Kastlelec, Mark Andersen, John Blyberg. June 2015. Real World Prototyping: Designing Technology Spaces through Experimentation. At ALA 2015 Annual Conference, San Francisco, USA. [Invited Panelist, Reviewed Submission]

Conference Presentation: John Brosz, Chelsea Ambler, and Susan Powelson. October 2014. Bohemian Bookshelf: Allowing Open Exploration of Fragile Collections. At Netspeed, Edmonton. [Reviewed Submission]

Conference Presentation: Shawna Sadler and John Brosz. Visualization Studio: Two Years of Experience at the U. of Calgary. March 2014. At the Coalition for Networked Information Spring Meeting, St Louis, USA. [Reviewed Submission]

Conference Panel: Leanne Trimble, Geoffrey Harder, John Brosz, Ron Walker, Joseph Hafner, and Walter Stewart. October 2013. Canadian Research Libraries' Role in Data Stewardship for the Social Sciences. At the World Social Science Forum, Montreal, Canada. [Invited Panelist, Reviewed Submission]

Conference Presentation: John Brosz and Renée Reaume. October 2013. Visualization Walls. At Netspeed, Calgary, Canada. [Reviewed Submission]

Conference Presentation: Paul Pival and John Brosz. October 2012. The Taylor Family Digital Library. At Internet Librarian, Monterey, USA. With Paul Pival. [Reviewed Submission]

AWARDS, SCHOLARSHIPS, GRANTS

Collaborator on SSHRC Insight led by Karen Bourrier and Dan Jacobson	2021-2026
ACM UIST Honorable Mention for Best Demo	2013
Natural Sciences and Engineering Research Council of Canada PGS D	2005-2008
iCore Graduate Student Scholarship Grant	2005-2008
Computer Science Department Teaching Excellence Award	2007
Faculty of Science Dean's Research Excellent Award	2006
Computer Science Department Research Award	2006, 2004, 2003
Province of Alberta Graduate Scholarship	2004
Faculty of Science Dean's List	2003, 2001-1999

TEACHING EXPERIENCE

Library Workshops. Provided a variety of open, elective workshops on a variety of 2016-present research skill related topics including: Data Visualization and Tools, Data Visualization with Tableau, Qualitative Visualization, Infographics, LaTeX, Research Data Management, Data Management Plans, and more.

Sessional Instructor. Instructor of record for Computer Science 583 Introduction 2019 to Information Visualization.

MyGradSkills Instructor. Provided eleven iterations of three different workshops 2013-2019 on data visualization theory, data visualization & tools, and research data management.

Instructional Skills Workshop. Completed a four-day workshop focusing on questioning skills, constructive feedback, learning styles, and class planning. 2009
Taken at the Teaching & Learning Centre, University of Calgary.

Teaching Assistant. Prepared and presented materials for two hours of tutorial instruction per week as well as marking assignments and assisting students during office hours/continuous tutorial. 10 to 25 students per tutorial and responsible for two tutorials per semester. 2003-2008

Courses: Computer Science 231 Intro. to Computer Science, 453 Intro. to Computer Graphics, 591 Rendering, and 587 Modelling for Computer Graphics

Invited Instructor

Invited guest lecturer introducing data visualization concepts and software for Environmental Design 637/Community Planning 610 Community Planning Studio for Professors Kris Fox and Joseli Macedo.	2017-2025
Invited guest lecturer introducing data visualization concepts and software for Landscape Architecture 604 Studio I for Professor Kris Fox.	2023-2025
Health and Society 408 Health Research Methods & Research Practicum for Jesse Love Hendrikse.	2022-2024
Invited guest lecturer introducing data visualization techniques and exercises over three lectures to students in Arts and Science Honours Academy (ASAHA) 322 for Professor Karen Bourrier.	2023
Invited guest lecturer introducing Tableau's visualization software to students in Kinesiology 381 Computer Applications in Kinesiology for Professor Pro Stergiou.	2022
Invited guest lecturer introducing Text Analysis Portal for Research (TAPoR) data and visualization tools to students in Gender and Sexuality Studies 315 Methods for Gender and Sexuality Research for Professor Rebecca Sullivan.	2022
Invited guest lecturer introducing Tableau's visualization software to students in English 449 Literature of the Late Victorian Period for Professor Karen Bourrier.	2015, 2019
Invited guest lecturer on data visualization and use of Tableau for MBA Accounting 601 and Accounting 541 for Professor Rong Zhao.	2018-2019
Invited guest lecturer introducing 30 minutes of data visualization concepts and resources for UNIV 201 Global Challenges course for Professors Christine Walsh, Annette Tezli, Anne Marie Dorland, and Robin Mueller.	2017-2019
Invited guest lecturer introducing 15-25 minutes of data visualization concepts and resources for Canadian Studies 501 and Arts & Science Honours Academy 501 for Professor PJ Stortz.	2013, 2016-2017
Invited guest lecturer on data visualization for Management Studies 217 Introduction to Business Analytics for Instructor Cameron Welsh.	2014-2015
Invited guest lecturer for Computer Science 583/683 Information Visualization for Professor Sheelagh Carpendale.	2010-2011
Invited guest lecturer for Computer Science 591/691 Rendering for Professors Mario Costa Sousa and Jon Rokne.	2005, 2008

ACADEMIC SERVICE

National and International

Program Committee Member, International Conference on Information Visualization Theory and Applications (IVAPP)	2024, 2025
---	------------

CARL (Canadian Association of Research Libraries) Portage Data Discovery Expert Group	2016-2019
CARL Portage Data Management Planning Expert Group	2016-2019
Poster Committee Member, ACM International Conference on Interactive Surfaces and Spaces (ISS),	2016-2017
Program Committee Member, IEEE eScience	2014

International Research Peer Review

International Conference on Information Visualization Theory and Applications (IVAPP) (2023)

ACM Human Factors in Computing Systems (CHI) (2011, 2014, 2017, 2021)

ACM International Conference on Interactive Surfaces and Spaces (ISS) (2016, 2017)

ACM International Conference on Interactive Tabletops and Surfaces (ITS) (2014)

ACM Special Interest Group on Computer Science Education (SIGCSE) (2017)

ACM User Interface Software and Technology Symposium (UIST) (2016)

Computer & Graphics (2010, 2013, 2014)

Computational Intelligence (2008)

Computer-Supported Cooperative Work & Social Computing (CSCW) (2014)

Environment and Planning A (2014)

EuroGraphics (2007, 2009)

Graphics Interface (GI) (2009, 2010, 2012, 2013)

IEEE Pervasive Magazine (2015)

IEEE eScience (2014)

IEEE Vis (2019)

InfoVis (2011)

International Conference on Immersive Telecommunications (2007)

Shape Modeling International (2009)

Transactions on Applied Perception (2014)

Transactions on Computer-Human Interaction (ToCHI) (2013)

Transactions on Computational Intelligence and AI in Games (2012)

Transactions on Visualization and Computer Graphics (TVCG) (2013, 2016, 2019)

University of Calgary

Board Member, Conjoint Faculties Ethics Review Board (CFREB)	2023-present
Member, Office of Indigenous Engagement (OIE) ii' taa'poh'to'p Working Circle 7 – Renewal and Community Reporting	2024-present
LCR Representative, Research Services Research Facilitator Meetings	2020-present

Libraries and Cultural Resources

Member, Selection, Promotions, & Appointment Review Committee	2023-present
Member, Graduate Support Team	2020-present
MaPS Representative, Alan H. MacDonald Fund Committee	2020-2023
Member, LCR Staff Development Day Planning Committee	2022-2023
Chair, Libraries and Cultural Resources MaPS Council	2015-2016

Libraries and Cultural Resources Hiring Committees

Member, Digital Preservation Librarian	2025
Member, Digital Projects Librarian - Digital Scholarship	2024
Member, Digital Projects Librarian – Repositories and Publishing	2023
Co-lead, Data Curation Technician	2017
Member, Consultant, LCR Research Projects	2017
Member, Library Technology Manager	2017
Hiring Committee, Digital Project and Web Developer	2016

Other

Design Mentor, Hacking Health Calgary	2014
Judge & Award-Round Judge, Calgary Youth Science Fair	2007-2013