



**Digital Research
Alliance of Canada**



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Date Submitted: 2024-08-03 16:45:32

Confirmation Number: 1794188

Template: Alliance

Dr. Sara Diamond

Correspondence language: English

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Contact Information

The primary information is denoted by (*)



Dr. Sara Diamond

Degrees

Certificate, Institute of Corporate Directors-Director, Corporate Governance, University of Toronto

Master's Thesis, Digital Media Theory, Collaborative Systems and Performance,
University of the Arts London
Degree Status: Completed

Doctorate, Computer Science, Information Systems and Electrical Engineering, Data
Visualization, University of East London
Degree Status: Completed

Bachelor's Honours, History and Communications, Canadian Social History, Simon Fraser
University
Degree Status: Completed

Credentials

2005/7 President, OCAD University, OCAD University

Recognitions

2023/6 Honorary Degree
Humber College
Honor
Honorary Degree on merit of contribution to Post-Secondary Education, public art, art and
design, and Equity, Diversity and Inclusion

2020/5 Honorary Doctorate - 0
Simon Fraser University
Honor
In 2005, Dr. Diamond became President of the Ontario College of Art and Design
University, Canada's largest and most comprehensive art, design and media university.
During her 15-year tenure—she transitioned to the role of President Emerita this past
summer—she strategically expanded programming and partnerships and built a diverse
and Indigenous work force and curriculum. Dr. Diamond secured capital funding to
transform physical spaces, including establishing the Richmond Street Campus and
Onsite public gallery. Propelled by her visionary leadership and commitment to inclusivity,
OCAD U has emerged as an eminent leader in STEAM+D—that is, Science, Technology,
Engineering, Arts, Math, Medicine and Design—with capacities in digital media, design
research and curriculum. Beyond the academy, Dr. Diamond has given years of service
and policy direction to public boards, advisory committees such as the NAFTA joint
committee on culture, task forces and arts juries, etc.

2019/11	Order of Canada - 0 Governor General Canada Honor The Order of Canada honours achievements by Canadians in many fields of endeavor. It is the most significant honour in Canada.
2019/4	Digital Media Pioneer, Digifest - 0 Digifest Prize / Award Digifest provides an annual award to leaders in digital research, design and the arts. https://torontodigifest.ca/program/digitalpioneeraward19/ The award includes a ceremony, statue and recognition.
2018/1	Inspiring 50: Canada 2018 - 0 Inspiring Fifty Honor Inspiring Fifty, in partnership with the Embassy of the Kingdom of the Netherlands and the Senate of Canada, promotes the advancement of diversity in the STEM fields – recognizing that the recruitment and retention of women and girls in these sectors will foster innovation, inclusivity and an impactful workforce. Also among the honourees is Jessica Ching, founder and CEO of Eve Medical. The OCAD U Industrial Design alumna developed her company in the Imagination Catalyst. For this inaugural Canadian edition of the event, the women were selected by a distinguished jury from a pool of 400 nominees. The project has been embraced by several other countries in Europe including the UK, France and the Nordic countries. The initiative was recently launched in South Africa.
2017/7	Canada's Leading 150 Women Canada 150 Women Honor Canada 150 Women profiles 150 of the country's most inspiring, groundbreaking and powerful female role models, providing insight into their achievements—and a challenge for all to better support women.
2014/12	Toronto Life 50 Most Influential - 0 Toronto Life Honor Recognition of leadership role in City of Toronto.
2014/6	Senior Fellow, Massey College, University of Toronto University of Toronto Distinction I am a lifetime Senior Fellow of the College.
2014/5	Queen's Diamond Jubilee Medal For Service to Canada Government of Canada, Governor General Honor For service to Canada in the arts and new media
2014/1	Senior Fellow, Massey College, University of Toronto University of Toronto Distinction For service as university president
2013/5	Digital Media Pioneer, GRAND NCE National Centre of Excellence GRAND Prize / Award For creation of Banff New Media Institute and art and technology collaborations and scholarship, incubation of new media companies

2013/4
 Order of Ontario
 Government of Ontario
 Distinction
 Honour

Employment

2022/11
 Adjunct Professor, School of Information Arts and Technology
 School of Information Art and Technology, Simon Fraser University
 Part-time, Adjunct, Professor
 Tenure Status: Non Tenure Track
 As an Adjunct Professor I engage in research activities in the broad field of new media. Most recently I led the Crossing Fonds SSHRC funded project which will continue in partnership with the SFU Archives and Digital Humanities Innovation Lab.

2022/1
 Chair, Baycrest Academy for Research and Education Board
 Baycrest Centre for Geriatric Care
 Baycrest, the renowned research centre, hospital and longterm care facility has created an entity that gathers its research and education, from basic to clinical and intensifies knowledge translation. Our goal is to banish dementia while helping seniors live fulfilled lives.

2021/3
 Thought Leader and Senior Consultant, Lord Cultural Resources
 Lord Cultural Resources
 Part-time
 Provide advice to arts and culture organizations regarding strategy, digital transformation, public art. Projects include City of Columbus Public Art Plan, City of Columbus Evaluation of Greater Columbus Council for the Arts; Strategic Foresight and Directions, Canadian Museum of History and War Museum; Strategic plan for Pennsylvania Academy for the Arts; digital strategies for AWE, KWAG and other galleries, museums and historical societies.

2020/5
 Thought Leader Canadian Centre for the Purpose of the Corporation
 Navigator
 Part-time
 I provide advice to corporations and not-for-profits to help them define their purpose in relation to a complex stakeholder landscape and the need for triple bottom line approaches to success.

2017/1
 Board Member, Centre for Aging and Brain Health Innovation, and member Governance Committee
 Baycrest Centre for Geriatric Care
 Part-time
 CABHI supports the commercialization and dissemination of aging and brain health, including prevention and management products, services, and innovations across Canada and internationally.

- 2013/1
Adjunct Professor
Smart Lab, Computer Science, University College, Dublin
Part-time, Adjunct, Professor
Tenure Status: Non Tenure Track
Adjunct Professor with Smart Lab at University College Dublin, providing research leadership and graduate supervision. Renewed in 2018.
Research Disciplines: Computer Science, Media and Visual Arts
Areas of Research: Computer Systems
Fields of Application: Communication and Information Technologies
- 2000/6
Adjunct Professor, Design/Media
Design/Media, Faculty of Art and Architecture, University of California, Los Angeles
Part-time, Adjunct, Professor
Tenure Status: Non Tenure Track
Graduate supervision, curriculum advice.
Research Disciplines: Media and Visual Arts
Areas of Research: Arts and Technologies
Fields of Application: Culture
- 2005/7 - 2027/8
President/Vice-Chancellor/President Emerita
Office of the President, OCAD University, OCAD University
Full-time, Professor
Tenure Status: Tenure
I was the President/Vice-Chancellor of OCAD University, responsible for all academic and administrative leadership at the university, reporting to the Board of Governors. OCAD University now retains its traditional strengths in studio based art and design, while transforming to become a leader in digital media and design research and curriculum through the Digital Futures Initiative, including the Digital Media Research and Innovation Institute; towards unique research in Inclusive Design and health and design, as well as in sustainable technologies and design; and to begin the Indigenous Visual Culture Program. I hold the position of tenured full professor, Faculty of Arts and Science. I am currently University Research Chair. I am the Director of the Visual Analytics Laboratory at OCAD University.
Research Disciplines: Art History, Communication, Computer Science, Media and Visual Arts, Urban Studies
Areas of Research: Computer Science and Statistics, Data mining, Environmental Design, Video and New Media
Fields of Application: Communication and Information Technologies, Construction, Culture
- 2023/1 - 2026/12
Downsview Advisory Committee Member
Northcrest Developments
Part-time
Provide strategic advice to Northcrest, the developer of Downsview lands.

2022/7 - 2026/6	<p>University Research Chair Faculty of Liberal Arts and Sciences, Graduate Studies, OCAD University Full-time, Term, Professor Tenure Status: Tenure I hold the title of University Research Chair which is a peer reviewed position. My research spans investigations of cultural data and platforms and the creation of tools to advance data driven cultural analytics. This work includes collaboration with Indigenous investigators in the field of AI, and partnerships with libraries, archives and the screen media sector. It also includes the investigation of Complete Communities, bringing computational tools, strategic foresight, and a cultural lens to the creation of inclusive, sustainable, affordable and culturally rich communities.</p> <p>Research Disciplines: Architecture and Design, Archive and Library Sciences, Art Sociology, Computer Engineering and Software Engineering, Urban Studies</p> <p>Areas of Research: Arts and Technologies, Computer Databases, Design and Planning of Space, New Technology and Social Impacts</p> <p>Fields of Application: Communication and Information Technologies, Construction, Culture</p>
2022/6 - 2025/6	<p>Chair, Toronto Arts Foundation Board Toronto Arts Foundation Part-time I chair the Toronto Arts Foundation Board, a charity that raises funds to supports causes and programs that help make Toronto a culturally vibrant city. It works closely with the Toronto Arts Foundation.</p>
2023/1 - 2025/5	<p>Adjunct Professor Department of Civil and Mineral Engineering, U of T Engineering, University of Toronto Part-time, Adjunct, Professor Tenure Status: Non Tenure Track I am co-supervising a doctoral student in the Faculty of Engineering at the University of Toronto.</p> <p>Research Disciplines: Computer Engineering and Software Engineering</p>
2022/5 - 2024/6	<p>Jury Member, Computer Science Competition, Serrapilheira Foundation Serrapilheira Foundation Part-time Participated on jury to choose awards for Brazilian Early Career Researchers.</p>
2007/1 - 2023/11	<p>Chair, External Advisory Committee, Nuit Blanche Toronto City of Toronto Part-time Chaired the external advisory committee that provided advice regarding the strategy of this 1.4 million person 12 hour event, including curatorial direction, choice of curators, logistics, partnerships.</p>
2020/5 - 2023/5	<p>Chair, ArtWorxTO, Toronto's Year of Public Art City of Toronto Part-time This \$11m event was the result of the research project that I undertook Redefining Public Art in Toronto. The report resulted in a reset of a public art strategy for the city and the launch of this year. COVID interrupted the year and it started later with ArtWorx contributing to neighbourhood revitalization.</p>

2021/1 - 2023/4	<p>Research and Design Consultant, Mood Insights™ Mood Health Detection & Monitoring System</p> <p>SalesChoice</p> <p>Part-time</p> <p>Led application and design research regarding mobile wellness platform to support improved mental health and provide road maps to improve workplace experience.</p>
2002/11 - 2015/6	<p>President and CEO, CodeZebra Inc.</p> <p>CodeZebra Inc.</p> <p>Part-time</p>
2003/5 - 2005/7	<p>Director of Research, The Banff Centre</p> <p>Head Office, Banff, The Banff Centre</p> <p>Full-time, Term, Professor</p> <p>Tenure Status: Tenure</p> <p>Responsible for initiation and leadership of all research projects across the Banff Centre.</p>
1994/5 - 2005/7	<p>Founding Director, Banff New Media Institute</p> <p>Media and Visual Art, Banff, The Banff Centre</p> <p>Full-time, Term, Professor</p> <p>Tenure Status: Tenure</p> <p>Founded and led the Banff New Media Institute from 1995 - 2005. Established research capability in visualization, collaborative systems. mobile and wearable technologies. Developed and Executive Produced media arts projects. Initiated and led international research networks in wearable technologies and mobile media. Created international summits, think tanks and workshops bringing together scientific and computational researchers, designers, artists, social scientists and industry. Created incubators at the provincial and national level. Supported new media (ICT and digital media) firms development.</p> <p>Research Disciplines: Computer Engineering and Software Engineering, Computer Science, Management, Media and Visual Arts</p> <p>Areas of Research: Audiences and Mass Media, Computer Architecture, Computer Databases</p> <p>Fields of Application: Culture, Economic Growth</p>
1992/7 - 2005/7	<p>Artistic Director, Media and Visual Art, The Banff Centre</p> <p>Media and Visual Art, Banff, The Banff Centre</p> <p>Full-time, Term, Professor</p> <p>Tenure Status: Tenure</p> <p>This is a Deccanal position at The Banff Centre. Responsible for developing all activities in Media and Visual Art. While in this role led residency activities, Executive Produced Television and New Media projects, initiated and led the Banff New Media Institute, supervised the Walter Phillips Gallery and created the Banff International Curatorial Institute.</p>
1978/6 - 1995/5	<p>President, CEO, Women's Labour History Project</p> <p>Women's Labour History Project</p> <p>Full-time</p>
1985/8 - 1992/8	<p>Sessional Instructor Video Art, Critical Theory, Studio Art</p> <p>Faculty of Art, Vancouver, Emily Carr University of Art + Design</p> <p>Part-time, Sessional, Assistant Professor</p> <p>Tenure Status: Non Tenure Track</p> <p>Developed curriculum in creative practices, the first video art programs at Emily Carr University of Art and Design, feminist theory and semiotics.</p>

1990/8 - 1992/5	<p>Visiting Professor and Chair, Video and Media Art Program Faculty of Art, California Institute of the Arts Full-time, Visiting Professorship, Lecturer Tenure Status: Non Tenure Track Develop media and video art courses as well as courses in contemporary media theory. Develop and supervised video and media art program.</p>
1983/5 - 1990/5	<p>Instructor, Capilano College Labour Studies Program Labour Studies, North Vancouver, Capilano University Part-time, Term, Lecturer Tenure Status: Non Tenure Track Research Disciplines: History</p>

Research Funding History

Awarded [n=10]

2023/5 - 2030/4 Co-applicant	<p>Abundant Intelligences: Expanding Artificial Intelligence through Indigenous Knowledge Systems, Grant Clinical Research Project?: No Project Description: The challenge: how to effectively integrate and adapt existing advanced computational methods, such as artificial intelligence (AI), into Indigenous Knowledge systems; how to develop new computational practices from within Indigenous contexts to support the flourishing of Indigenous communities; and how to use the knowledge we generate to help guide the development of AI, generally and globally, towards a more humane future—a future of abundance. This research program will allow us to think more expansively about these AI systems, to expand the operational definition of intelligence used when building them to include a more extensive spectrum of behaviour that humans and non-humans use to make sense of the world. We will establish new methods for creating advanced computational technologies like AI that will refashion tools from their current role in systemizing and entrenching colonial practices into engines for increasing our care of one another and our world. Research Uptake: Knowledge exchange workshops. Project embedded in Indigenous communities in Canada, New Zealand, Hawaii. Book project underway. Many conference presentations in Year One.</p> <p>Funding Sources: New Frontiers in Research Transformation 2022 Total Funding - 23,316,862 (Canadian dollar) (Canadian dollar)</p>
2019/7 - 2027/12 Co-director	<p>iCity 2.0 Urban Data Science for Future Mobility, Grant, Operating Clinical Research Project?: No Project Description: <i>iCity 2.0: Urban Data Science for Future Mobility</i> aims to improve accessibility and mobility, in support of heightened economic productivity, quality of life and environmental sustainability in Ontario, by advancing the design of urban transportation systems and “complete communities”. Research develops and refines new technologies such as generative design tools, procedural visualization, and simulation software. We will achieve this by focusing on three interrelated challenges facing cities today: · Managing the risks and reaping the benefits of emerging mobility services. · Developing analysis tools and new design concepts to design complete communities in both retrofitted existing neighbourhoods and new developments. · Reallocating capacity on surface transportation networks to move more people safely, efficiently, and reliably and put the street network to “highest, best use”.</p>

Research Uptake: I am co-PI. There have been multiple conference papers and publications, for example Sara Wagner; Jacob Klimczak; Gonzalo Martínez Santos; Matthew Roorda (University of Toronto, Canada); David Kossowsky (Esri Canada) & Sara Diamond (OCAD University, Canada) 8th International Conference 'Urban e-Planning' [Virtual/Online] A GENERATIVE DESIGN TOOL FOR DESIGNING COMPLETE COMMUNITIES.

Funding Sources:

Ontario Research Fund (ORF)

ORF-E

Total Funding - 3,978,856

2022/5 - 2027/4
Co-investigator

Abundant Intelligences: Expanding Artificial Intelligence through Indigenous Knowledge Systems, Grant, Operating
Clinical Research Project?: No
Project Description: See NFREF-T.

Funding Sources:

Social Sciences and Humanities Research Council of Canada (SSHRC)

Partnership Grant

Total Funding - 2,500,000 (Canadian dollar) (Canadian dollar)

2023/11 - 2026/1
Principal Applicant

Generative design to support complete community quantitative and qualitative analysis, Grant, Operating

Clinical Research Project?: No

Project Description: **Generative design to support complete community quantitative and qualitative analysis** brings together growing computational practices in generative design with the urban design challenge of planning and building complete communities using urban data analysis. The concept of complete communities is in part inspired by new urbanism which focuses on human and environmental needs. **Generative design to support complete community participatory design and social cohesion** will build on Autodesk's recent exploration of the application of generative design to urban planning. OCAD U will continue to build its research capacity in geo-spatial visualization within the context of the Autodesk platform. It will train an interdisciplinary HQP who bridges urban planning and digital media/ICT over a two year period.

Research Uptake: Research is being applied in the Northcrest development. Research presented at iCity2.0 annual research symposium. Publications underway.

Funding Sources:

Autodesk

Total Funding - 103,000 (Canadian dollar) (Canadian dollar)

Mathematics of Information Technology and Complex Systems (MITACS)

Accelerate

Total Funding - 60,000 (Canadian dollar) (Canadian dollar)

2022/5 - 2025/4
Principal Applicant

Crossing Fonds -- Pollinating Access and Interpretation, Grant, Operating

Project Description: Crossing Fonds addresses the need to formalize collaborative access across archives, enabling research, scholarship and the reinterpretation of collections through contemporary filters. The goals are: Pollinate collaborative archive access and interpretation among not-for-profit, counter, and institutional archives by using participatory design, to plan a replicable open-source digital archive ecosystem that allows generous interaction, study and exhibition. Enable cross-fertilization and inter-access among records' dynamic interaction by producing microsites that offer fresh interpretations of content and visualizations of relationships between records, collections and archives. Apply critical archival theory and practice to challenge the tradition of archival neutrality and often-unquestioned metadata.

Research Uptake: Symposium Conference presentations Associations of Canadian Archivists 2nd Global Audiovisual Archiving Conference Special Issue of Journal and Book publication in application.

Funding Sources:

Social Sciences and Humanities Research Council of Canada (SSHRC)
Partnership Development Grant
Total Funding - 199,071

2023/3 - 2025/2
Principal Applicant

Autodesk Direct Grant Complete Communities, Grant, Operating
Clinical Research Project?: No

Project Description: **The Autodesk direct grant** brings together growing computational practices ingenerative design with the urban design challenge of planning and buildingcomplete communities usingurban data analysis. The concept of complete communities is in partinspired by new urbanism which focuses on human and environmental needs.

Research Uptake: This grant is part of the complement of generative design and iCity2.0 grants.

Funding Sources:

Autodesk
Total Funding - 103,000 (Canadian dollar) (Canadian dollar)

2023/6 - 2024/11
Principal Applicant

Building a Data Fluent Canadian Cultural Sector, Grant, Operating

Clinical Research Project?: No

Project Description: 21stcentury Canada requires a data fluent arts and culture sector. The objectives of Buildinga Data Fluent Canadian Cultural Sector are to discover and strengthen Canada'scurrent cultural analytics capacity by**setting the groundwork for unified initiatives in data collection and analysisby the Canadian cultural sector; identifying academic, public sector andindustry researchersundertaking cultural analytics; coordinating significant and ongoing engagementto lead to future research and establish a shared database.** We will identify existing data collection efforts inCanada, describe data types, collection methods and standards. It will set theground for a common data language and governance framework which will be the focusof ongoing research and organizational initiatives. We will build a database catalogue of national, regional and municipal databases pertaining to Canadian culture.

Research Uptake: Potential merger with U of T urban database. Extensive networking and contributions from archivists. Conference paper with another underway and journal article. Partnership with GalerieOntarioGalleries for additional funding.

Funding Sources:

Mathematics of Information Technology and Complex Systems (MITACS)
Accelerate
Total Funding - 92,000 (Canadian dollar) (Canadian dollar)

2021/8 - 2024/8
Principal Applicant

Understanding and Magnifying the Impacts of Cultural Content, Grant

Clinical Research Project?: No

Project Description: The overall objective of this project is to develop ascoring system for the qualitative analysis of screen media products that canbe integrated into Magnify Digital's ScreenMiner. There are currently no companies that providequalitative analysis tools that producers can use in their self-evaluation andreporting; assess health and wellness impacts as a component of these tools; orincorporate audience segmentation within the analysis of audience receptionimpact. Recognizing interdisciplinary opportunities between media studies, user-centereddesign, information visualization, and machine learning (ML), we will identifypotential gaps present in the current engine and build a series ofvisualization and analytic capabilities inspired by data discovery andexplainable artificial intelligence.

Research Uptake: HCII 2024 Paper Integration into Magnify ViewerCentric underway
Rollout through Telus Fund Potential international uptake USA, New Zealand

Funding Sources:

Mathematics of Information Technology and Complex Systems (MITACS)
Accelerate
Total Funding - 170,666

2015/5 - 2021/12
Co-applicant

NSERC CREATE Program in in Data Analytics and Visualization, Grant

Funding Sources:

Natural Sciences and Engineering Research Council of Canada (NSERC)
CREATE
Total Funding - 1,650,000

2018/4 - 2020/3
Collaborator

StudentMoveTO: From Insight to Action on Transportation for Post-secondary Students in the GTHA, Grant

Funding Sources:

Social Sciences and Humanities Research Council of Canada (SSHRC)
Partnership Development Grant
Total Funding - 199,000

Completed [n=8]

2023/5 - 2025/4
Principal Applicant

Crossing Fonds Symposium, Grant, Workshop
Clinical Research Project?: No
Project Description: The Crossing Fonds Symposium was the culmination of the Crossing Fonds research project, bringing together researchers in critical archival studies, digital archives and technology and Indigenous data sovereignty.
Research Uptake: One journal special edition and a book are under development. Videos from event will be published in August, 2024.

Funding Sources:

Social Sciences and Humanities Research Council of Canada (SSHRC)
Connections
Total Funding - 24,962 (Canadian dollar) (Canadian dollar)

2022/4 - 2024/3
Principal Applicant

SalesChoice Go to Market Strategy, Grant, Operating
Clinical Research Project?: No
Project Description: This project explored emerging markets for wellness technologies in the workplace on various platforms, such as mobile devices or wearable technologies. It developed outreach strategies using AI and digital marketing tools.
Research Uptake: The resulting products remain in market in adapted form.

Funding Sources:

Mathematics of Information Technology and Complex Systems (MITACS)
Business Innovation Strategies
Total Funding - 90,000 (Canadian dollar) (Canadian dollar)

2022/5 - 2023/7
Principal Applicant

ViewerCentric Audience Strategy Wizard, Grant, Operating
Clinical Research Project?: No
Project Description: Developing strategy interface for ViewerCentric (now ScreenMiner)
Research Uptake: Integration of strategy tools in agency practice and producer support.

Funding Sources:

Mathematics of Information Technology and Complex Systems (MITACS)
Business Innovation Strategies
Total Funding - 30,000 (Canadian dollar) (Canadian dollar)

2021/9 - 2023/1

Sustainable Development and Electrification of Transit, Grant

Principal Applicant	<p>Clinical Research Project?: No</p> <p>Research Uptake: Book publication Brazil. Multiple conference presentations. Journal publication.</p> <p>Funding Sources:</p> <p>Social Sciences and Humanities Research Council of Canada (SSHRC)</p> <p>Knowledge Mobilization</p> <p>Total Funding - 25,000 (Canadian dollar) (Canadian dollar)</p> <p>Social Sciences and Humanities Research Council of Canada (SSHRC)</p> <p>Knowledge Synthesis</p> <p>Total Funding - 29,993</p>
2021/11 - 2023/1 Principal Applicant	<p>Applying Generative Design to Complete Community Planning, Grant</p> <p>Project Description: Applying Generative Design to Complete Community Planning brings together growing computational practices in generative design with the urban design challenge of planning and building complete communities using urban data analysis. The concept of complete communities is in part inspired by new urbanism which focuses on human and environmental needs. Transportation modes within a community and the network of access that connect complete communities are critical for their design and success. This Mitacs grant will interact with the larger iCity 2.0 Urban Data Science for Urban Mobility Project of which Autodesk is a significant partner. Applying Generative Design to Complete Community Planning will make a significant research contribution in applying generative design within “Complete Community” guidelines and planning processes. OCAD U continue to build its research capacity in geo-spatial visualization the context of the Autodesk platform.</p> <p>Research Uptake: Conference papers. Daniels - case study partner, applied outcomes.</p> <p>Funding Sources:</p> <p>Mathematics of Information Technology and Complex Systems (MITACS)</p> <p>Accelerate</p> <p>Total Funding - 30,000 (Canadian dollar) (Canadian dollar)</p> <p>Mathematics of Information Technology and Complex Systems (MITACS)</p> <p>Accelerate</p> <p>Total Funding - 30,000</p>
2019/4 - 2022/12 Principal Applicant	<p>CUTRIC High-Powered Electric Vehicle Charging with Energy Storage Integration: Optimization Analysis & Techno-economic Predictive Analysis ---- Visualization Analysis of Predicted EBus Routes & Facilities Design, Grant, Operating</p> <p>Clinical Research Project?: No</p> <p>Project Description: Our research proposal was framed in the matching Mitacs grant Visualization Analysis of eBus Routes and Facilities as follows; “Rather than present data in table formats the research will create tools to graphically represent comparative data and use mapping visualizations to analyze sensor and tracking data collected through the deployment of eBuses. Research will also understand the integration of 2D graphs and 3D visualization in dashboards and displays. This research underscores the necessity of user-centric design methods, in which domain users are part of defining the requirements for tools.”</p> <p>Research Uptake: We have built a high fidelity prototype. The visualization interface provides a framework for national data tracking of ZEB implementation in major Canadian transit agencies, allowing comparison of key performance characteristics for the purposes of appraisal and evaluation. The <i>CUTRIC Transit Fleet Electrification Analysis demonstrated by the Burlington</i> prototype is a dynamic HTML dashboard visualization environment that supports many of the analytics that CUTRIC undertakes and even extends those functionalities. It provides a GIS map (Cartographic) interface and related graphs/charts. As a prototype it utilizes data from city of Burlington Transit as a use case to develop and assess the prototype, however, the prototype should serve as a template</p>

that can be applied to any other Canadian cities. It is relevant to both transit planning and building a zero emissions transit industry. We undertook multiple research publications (HCII) and presentations CUTRIC to industry partners.

Funding Sources:

Mathematics of Information Technology and Complex Systems (MITACS)

Accelerate

Total Funding - 12,418,140 (Canadian dollar) (Canadian dollar)

Mathematics of Information Technology and Complex Systems (MITACS)

Accelerate

Total Funding - 168,000

2017/8 - 2021/12
Principal Applicant

Garment-based Neuroprosthesis, a non-invasive closed-loop neural extension for facilitating the human nervous system function., Grant

Clinical Research Project?: Yes

Project Description: In collaboration with Myant Inc, a leading company in advanced manufacturing of textile technology, this project proposes an innovative and unique platform, namely, *Garment-based Neuroprosthesis*, for simultaneously **sensing various electrophysiological signals** (brain, heart and muscle activities), **processing** these signals by advanced machine learning, and electrically/mechanically **stimulating** the various body parts as appropriate, and representing these on a collaborative online mobile platform. By applying machine learning algorithms to clinical trials (specifically for patients suffering from neurological disorders), different normal and abnormal patterns can be learned and classified. We seek to create an easy-to-use *closed-loop non-invasive neuroprosthesis* for patients with various disorders. The technologies that will be developed are expected to be applied in a broad set of medical, rehabilitation, health, wellness, leisure and industrial use.

Research Uptake: Two extended Mitacs grants. Designed the entire visualization system and participated in backend as well as front end industrial design. Research fully integrated into Myant platform. Publications in peer reviewed conferences.

Funding Sources:

Mathematics of Information Technology and Complex Systems (MITACS)

Accelerate

Total Funding - 160,000

2017/1 - 2018/2
Principal Applicant

Rethinking Public Art in Toronto, Grant, Operating

Clinical Research Project?: No

Project Description: The interdisciplinary team brought together public art practitioners, curators, art and architectural historians, design thinkers, urban planners, and cultural sociologists. We deployed a multi-method approach – beginning with a literature review, we moved on to examine Toronto's own public art history through an overview of policy documents, interviews, and a quantitative analysis of where public art is produced, and who is producing it. We considered the Canadian and international field of municipal public art policy and practice through a rigorous evaluation of policy documents, to identify trends and future directions in the field. We undertook a deep comparative case study with Montreal, again using documents and interviews as source material.

Research Uptake: The policies are currently being integrated into the City of Toronto's revitalized public art strategy.

Funding Sources:

Family Foundations - various

N/A

Total Funding - 60,000 (Canadian dollar) (Canadian dollar)

Student/Postdoctoral Supervision

Bachelor's [n=16]

2024/6 - 2024/9 Co-Supervisor	<p>María Valentina Buitrago Aristizábal (In Progress) , UNIVERSIDAD NACIONAL DE COLOMBIA</p> <p>Student Degree Start Date: 2021/8</p> <p>Student Degree Expected Date: 2025/6</p> <p>Student Canadian Residency Status: Study Permit</p>
2024/5 - 2024/8 Co-Supervisor	<p>Dhruv Kapri (In Progress) , Indian Institute of Technology (IIT), Kharagpur West Bengal, India B</p> <p>Student Degree Start Date: 2021/12</p> <p>Student Degree Expected Date: 2025/6</p> <p>Student Canadian Residency Status: Study Permit</p>
2024/5 - 2025/4 Co-Supervisor	<p>Ava Xia (Completed) , OCAD University</p> <p>Student Degree Start Date: 2020/9</p> <p>Student Degree Received Date: 2024/6</p> <p>Student Canadian Residency Status: Student Work Permit</p> <p>Present Position: Research Assistant Visual Analytics Lab</p>
2023/9 - 2024/5 Co-Supervisor	<p>Anita Robles (Completed) , OCAD University</p> <p>Student Degree Start Date: 2020/9</p> <p>Student Degree Received Date: 2024/6</p> <p>Student Canadian Residency Status: Canadian Citizen</p> <p>Present Position: Consulting Firm</p>
2023/9 - 2024/11 Co-Supervisor	<p>Sanya Mathur (Completed) , OCAD University</p> <p>Student Degree Start Date: 2020/9</p> <p>Student Degree Received Date: 2025/6</p> <p>Student Canadian Residency Status: Canadian Citizen</p> <p>Present Position: Research Assistant Visual Analytics Lab</p>
2023/7 - 2024/11 Co-Supervisor	<p>Michael Li (Completed) , OCAD University</p> <p>Student Degree Start Date: 2020/9</p> <p>Student Degree Received Date: 2024/6</p> <p>Student Canadian Residency Status: Permanent Resident</p> <p>Present Position: Research Assistant Visual Analytics Lab</p>
2023/6 - 2023/9 Co-Supervisor	<p>Yulei Xiao (Completed) , Shanghai International Studies University, China</p> <p>Student Degree Start Date: 2019/8</p> <p>Student Degree Received Date: 2024/6</p> <p>Student Canadian Residency Status: Study Permit</p>
2023/5 - 2024/4 Co-Supervisor	<p>Arushi Srivastava (Completed) , THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY, PATIALA, PUNJAB,INDIA</p> <p>Student Degree Start Date: 2020/8</p> <p>Student Degree Received Date: 2024/9</p> <p>Student Canadian Residency Status: Study Permit</p> <p>Present Position: Graduate Studies September 2024</p>
2022/6 - 2024/6 Co-Supervisor	<p>Kahani Ploessl (Completed) , OCAD University</p> <p>Student Degree Start Date: 2019/9</p> <p>Student Degree Received Date: 2023/5</p> <p>Student Canadian Residency Status: Canadian Citizen</p> <p>Present Position: Games Designer</p>

2022/5 - 2022/12 Co-Supervisor	Sri Sahiti Vemavarapu (Completed) , Birla Institute of Technology Student Degree Start Date: 2019/8 Student Degree Received Date: 2023/6 Student Canadian Residency Status: Study Permit Present Position: Graduate Studies
2019/5 - 2020/6 Co-Supervisor	Jacob Cram (Completed) , OCAD University Student Degree Start Date: 2017/8 Student Degree Received Date: 2021/6 Student Canadian Residency Status: Canadian Citizen Present Position: Masters and Doctoral Studies
2019/5 - 2019/8 Co-Supervisor	Zijing Liu (Completed) , Huazhong Institute of Science and Technology Student Degree Start Date: 2015/9 Student Degree Received Date: 2020/6 Student Canadian Residency Status: Study Permit
2019/5 - 2019/8 Co-Supervisor	Zuriel Tonatiuh Ceja De La Cruz (Completed) , Universidad de Guanajuato Student Degree Start Date: 2015/8 Student Degree Received Date: 2019/6 Student Canadian Residency Status: Study Permit
2017/9 - 2021/5 Co-Supervisor	Orlando Bascunan (Completed) , OCAD University Student Degree Start Date: 2015/9 Student Degree Received Date: 2021/6 Student Canadian Residency Status: Canadian Citizen
2016/6 - 2018/4 Co-Supervisor	Hugh Ritchie (In Progress) , OCAD University Present Position: Employed
2016/1 - 2017/11 Co-Supervisor	Roman Romanov (Completed) , OCAD University Student Degree Start Date: 2014/9 Student Degree Received Date: 2020/5 Student Canadian Residency Status: Student Work Permit

Bachelor's Honours [n=6]

2015/8 - 2017/6 Co-Supervisor	Lan-Xi Dong (In Progress) , OCAD University Student Degree Expected Date: 2017/6 Present Position: Research Assistant
2015/4 - 2015/7 Co-Supervisor	Frederico Tomé (In Progress) , UC Cordoba, Brazil Student Degree Start Date: 2017/9 Student Degree Expected Date: 2019/6 Present Position: Student
2014/5 - 2015/6 Co-Supervisor	David Czarnowski (Completed) , OCAD University Student Degree Start Date: 2011/6 Present Position: Visualization and HCI Designer
2013/5 - 2016/6 Co-Supervisor	Jessica Peter (All But Degree) , OCAD University Student Degree Start Date: 2011/8 Student Degree Expected Date: 2016/5 Present Position: Data Analyst and Designer
2011/9 - 2014/7 Principal Supervisor	David Schnitman (Completed) , OCAD University Student Degree Start Date: 2011/9 Student Degree Received Date: 2014/6 Present Position: Designer

2010/7 - 2013/9
Co-Supervisor Symon Oliver (Completed) , OCAD University
Student Degree Start Date: 2000/9
Student Degree Received Date: 2012/6
Present Position: CEO

Master's Equivalent [n=1]

2019/1 - 2021/12
Co-Supervisor Iman Kewalramani¹ (Completed) , OCAD University
Student Degree Start Date: 2018/9
Student Degree Received Date: 2021/5
Student Canadian Residency Status: Permanent Resident
Present Position: Industry Computing Job

Master's non-Thesis [n=9]

2023/9 - 2024/4
Co-Supervisor Priyal Metha (In Progress) , OCAD University
Student Degree Start Date: 2023/5
Student Degree Expected Date: 2025/6
Student Canadian Residency Status: Student Work Permit

2023/9 - 2024/11
Co-Supervisor Shipra Balasubramini (In Progress) , OCAD University
Student Degree Start Date: 2022/6
Student Degree Expected Date: 2024/12
Student Canadian Residency Status: Student Work Permit
Present Position: RA Visual Analytics Lab

2023/9 - 2024/11
Co-Supervisor Silvana Sari (Completed) , OCAD University
Student Degree Start Date: 2022/5
Student Degree Received Date: 2024/6
Student Canadian Residency Status: Work Permit
Present Position: Research Assistant Visual Analytics Lab

2023/6 - 2024/11
Co-Supervisor Bonnie Leung (In Progress) , OCAD University
Student Degree Start Date: 2022/5
Student Degree Expected Date: 2025/6
Student Canadian Residency Status: Canadian Citizen
Present Position: RA Visual Analytics Lab and Market Analyst

2023/5 - 2024/11
Co-Supervisor Prashant Matta (Completed) , OCAD University
Student Degree Start Date: 2022/5
Student Degree Received Date: 2024/6
Student Canadian Residency Status: Student Work Permit
Present Position: Research Assistant Visual Analytics Lab

2023/5 - 2024/6
Principal Supervisor Hannah Karunakar Morrison (Completed) , OCAD University
Student Degree Start Date: 2022/5
Student Degree Received Date: 2024/6
Student Canadian Residency Status: Canadian Citizen
Present Position: User Experience Designer

2023/4 - 2025/12
Co-Supervisor Huda Hasan (In Progress) , OCAD University
Student Degree Start Date: 2023/5
Student Degree Expected Date: 2025/6
Student Canadian Residency Status: Permanent Resident
Present Position: Research Assistant Visual Analytics Lab

2022/1 - 2024/9 Co-Supervisor	Samah Kamalmaz (Completed) , OCAD University Student Degree Start Date: 2021/5 Student Degree Received Date: 2023/6 Student Canadian Residency Status: Canadian Citizen Present Position: Staff Researcher Visual Analytics Lab under my supervision
2016/1 - 2017/8 Co-Supervisor	Manpreet Juneja (In Progress) , OCAD University Student Degree Expected Date: 2017/6 Present Position: Research Assistant

Master's Thesis [n=40]

2024/5 - 2025/6 Principal Supervisor	Rutooja Khamkar (In Progress) , OCAD University Student Degree Start Date: 2023/5 Student Degree Expected Date: 2025/6 Student Canadian Residency Status: Study Permit
2024/2 - 2024/7 Co-Supervisor	Claire Grenier (In Progress) , OCAD University Student Degree Start Date: 2023/8 Student Degree Expected Date: 2025/6 Student Canadian Residency Status: Canadian Citizen
2024/1 - 2024/9 Co-Supervisor	Jordan King (Completed) , OCAD University Student Degree Start Date: 2022/8 Student Degree Received Date: 2024/6 Student Canadian Residency Status: Canadian Citizen Present Position: Curator
2023/9 - 2024/5 Co-Supervisor	Mia Chi Vu (In Progress) , Simon Fraser University Student Degree Start Date: 2022/9 Student Degree Expected Date: 2025/6 Student Canadian Residency Status: Student Work Permit Present Position: Research Assistant Visual Analytics Lab
2023/5 - 2024/6 Principal Supervisor	Maryam Dehghani (Completed) , OCAD University Student Degree Start Date: 2022/5 Student Degree Received Date: 2024/6 Student Canadian Residency Status: Work Permit Present Position: Fashion and Technology Consultant
2022/9 - 2023/6 Principal Supervisor	Taylor Patterson (Completed) , OCAD University Student Degree Start Date: 2021/5 Student Degree Received Date: 2023/6 Student Canadian Residency Status: Study Permit Present Position: Transportation Analyst
2022/7 - 2023/5 Co-Supervisor	Cris Paano (Completed) , OCAD University Student Degree Start Date: 2021/5 Student Degree Received Date: 2023/6 Student Canadian Residency Status: Canadian Citizen Present Position: Interaction Design
2022/7 - 2023/6 Co-Supervisor	Shuting Zhou (Completed) , OCAD University Student Degree Start Date: 2020/5 Student Degree Received Date: 2022/6 Student Canadian Residency Status: Study Permit Present Position: Doctoral Studies

2022/5 - 2023/1 Co-Supervisor	Joanne John (Completed) , OCAD University Student Degree Start Date: 2021/8 Student Degree Received Date: 2023/6 Student Canadian Residency Status: Canadian Citizen
2022/5 - 2023/6 Principal Supervisor	Adit Verma (Completed) , OCAD University Student Degree Start Date: 2020/5 Student Degree Received Date: 2022/6 Student Canadian Residency Status: Work Permit Present Position: Industry Computing Job
2022/5 - 2023/6 Principal Supervisor	Winter Yan (Completed) , OCAD University Student Degree Start Date: 2020/5 Student Degree Received Date: 2022/6 Student Canadian Residency Status: Study Permit Present Position: Doctoral Studies
2022/4 - 2023/6 Co-Supervisor	Anantha Chickanayakanahalli (Completed) , OCAD University Student Degree Start Date: 2021/5 Student Degree Received Date: 2023/6 Student Canadian Residency Status: Student Work Permit Present Position: Data Visualization and Interaction Designer
2021/6 - 2024/8 Co-Supervisor	Preeti Mahajan (Completed) , OCAD University Student Degree Start Date: 2021/8 Student Degree Received Date: 2023/6 Student Canadian Residency Status: Permanent Resident
2021/6 - 2022/5 Co-Supervisor	Aimee Burnett (Completed) , OCAD University Student Degree Start Date: 2020/8 Student Degree Received Date: 2022/6 Student Canadian Residency Status: Canadian Citizen
2021/5 - 2022/7 Co-Supervisor	Jiaqi Grace Yuan (Completed) , OCAD University Student Degree Start Date: 2020/5 Student Degree Received Date: 2022/6 Student Canadian Residency Status: Permanent Resident Present Position: Design Manager
2020/5 - 2021/6 Co-Supervisor	Shunrong Cao (Completed) , OCAD University Student Degree Start Date: 2019/8 Student Degree Received Date: 2021/6 Student Canadian Residency Status: Student Work Permit Present Position: Doctoral Studies
2020/1 - 2022/5 Co-Supervisor	Rittika Basu (Completed) , OCAD University Student Degree Start Date: 2019/4 Student Degree Received Date: 2021/6 Student Canadian Residency Status: Canadian Citizen
2019/1 - 2022/5 Co-Supervisor	Veda Adnani (Completed) , OCAD University Student Degree Start Date: 2019/9 Student Degree Received Date: 2022/5 Student Canadian Residency Status: Student Work Permit Present Position: Senior Director Health and Technology Company

2018/10 - 2019/10 Principal Supervisor	Feng Yuan (All But Degree) , OCAD University Student Degree Start Date: 2017/9 Student Degree Expected Date: 2019/6 Student Canadian Residency Status: Student Work Permit Present Position: Research Assistant
2018/7 - 2019/12 Co-Supervisor	Rachna Kumar (In Progress) , OCAD University Student Degree Start Date: 2018/9 Student Degree Expected Date: 2020/6 Student Canadian Residency Status: Canadian Citizen Present Position: Research Assistant
2018/6 - 2019/12 Co-Supervisor	Zoe Dion Van-Royen (In Progress) , OCAD University Student Degree Start Date: 2018/9 Student Degree Expected Date: 2020/7 Student Canadian Residency Status: Canadian Citizen Present Position: Research Assistant
2018/6 - 2019/7 Co-Supervisor	Sarah Mozafari-Lorestani (Completed) , OCAD University Student Degree Start Date: 2017/9 Student Degree Received Date: 2019/6 Student Canadian Residency Status: Canadian Citizen
2018/5 - 2019/2 Principal Supervisor	Melissa Diep (All But Degree) , OCAD University Student Degree Start Date: 2017/9 Student Degree Expected Date: 2019/6 Student Canadian Residency Status: Student Work Permit Present Position: Research Assistant
2017/9 - 2020/6 Co-Supervisor	Orlando Bascunan (In Progress) , OCAD University Student Degree Expected Date: 2020/6 Present Position: Research Assistant
2017/9 - 2019/6 Co-Supervisor	Nannini Lee Balakrishnan (In Progress) , OCAD University Student Degree Expected Date: 2019/6 Present Position: Research Assistant
2017/3 - 2019/6 Co-Supervisor	Sana Shepko (In Progress) , OCAD University Student Degree Expected Date: 2019/6 Present Position: Research Assistant
2017/3 - 2019/6 Co-Supervisor	Jad Raabba (In Progress) , OCAD University Student Degree Expected Date: 2019/6 Present Position: Research Assistant
2016/9 - 2017/8 Co-Supervisor	Michael Carnivale (In Progress) , OCAD University Student Degree Expected Date: 2017/8 Present Position: Research Assistant
2016/9 - 2017/8 Co-Supervisor	Marcus Gordon (In Progress) , OCAD University Student Degree Expected Date: 2017/8 Present Position: Research Assistant
2016/9 - 2018/6 Co-Supervisor	Mudit Ganguly (Completed) , OCAD University Present Position: Research Assistant
2016/6 - 2018/6 Co-Supervisor	Manik Perera (Completed) , OCAD University Present Position: Research Assistant
2016/5 - 2018/6 Co-Supervisor	Afrooz Samaei (Completed) , OCAD University Present Position: Researcher

2016/1 - 2017/8 Co-Supervisor	Davidson Zheng (In Progress) , OCAD University Student Degree Expected Date: 2017/8 Present Position: Research Assistant
2016/1 - 2017/12 Co-Supervisor	Jade Lee Hoy (Completed) , OCAD University Student Degree Start Date: 2015/8 Student Degree Received Date: 2017/12 Student Canadian Residency Status: Canadian Citizen Present Position: Interaction Design
2016/1 - 2017/12 Co-Supervisor	May Siu (Completed) , OCAD University Student Degree Start Date: 2015/8 Student Degree Received Date: 2017/5 Student Canadian Residency Status: Canadian Citizen Present Position: Urban Planning and Research
2014/5 - 2017/8 Co-Supervisor	Stephen Tiefenbach (Completed) , OCAD University Present Position: Research Assistant
2013/1 - 2015/4 Co-Supervisor	Joanne Patrasc (Completed) , OCAD University Student Degree Start Date: 2014/6 Present Position: independent artist
2013/1 - 2015/6 Principal Supervisor	Hudson Pridham (Completed) , OCAD University Student Degree Start Date: 2013/1 Student Degree Received Date: 2015/7 Student Canadian Residency Status: Canadian Citizen Present Position: Designer
2012/9 - 2015/5 Principal Supervisor	Anne Stevens (Completed) , OCAD University Student Degree Start Date: 2012/9 Student Degree Received Date: 2014/6 Present Position: Designer/Visualization Researcher
2012/6 - 2015/1 Principal Supervisor	Mezier Ghaderi (Completed) , OCAD University Student Degree Start Date: 2012/9 Student Degree Received Date: 2014/6 Present Position: Designer/Visualization Researcher
Doctorate [n=3]	
2023/7 - 2024/12 Co-Supervisor	Sydney Lines (In Progress) , University of British Columbia Student Degree Start Date: 2019/9 Student Degree Expected Date: 2025/6 Student Canadian Residency Status: Canadian Citizen Present Position: Research Assistant Visual Analytics Lab
2022/6 - 2023/5 Co-Supervisor	Gabriel Julien (In Progress) , Simon Fraser University Student Degree Start Date: 2021/9 Student Degree Expected Date: 2025/6 Student Canadian Residency Status: Student Work Permit Present Position: TA at SFU
2021/9 Co-Supervisor	Sara Wagner (In Progress) , University of Toronto Student Degree Start Date: 2021/9 Student Degree Expected Date: 2025/6 Student Canadian Residency Status: Study Permit

Post-doctorate [n=12]

2023/6 - 2026/5 Principal Supervisor	Gowthami Satyavarapu, OCAD University
2022/1 - 2024/12 Principal Supervisor	Chris Kim, OCAD University Student Canadian Residency Status: Canadian Citizen
2020/1 - 2022/6 Principal Supervisor	Mona Ghafouri-Azar, OCAD University Student Canadian Residency Status: Permanent Resident Present Position: Senior Technical Engineer
2018/11 - 2019/11 Principal Supervisor	Greice Mariano (In Progress) , OCAD University Student Degree Start Date: 2018/11 Student Degree Expected Date: 2019/11 Student Canadian Residency Status: Student Work Permit
2018/3 - 2020/12 Principal Supervisor	Ajaz Hussein (In Progress) , OCAD University Student Degree Expected Date: 2020/12 Present Position: Post-Doctoral Fellow
2016/5 - 2018/1 Principal Supervisor	Ahmad Karawash (Completed) , OCAD University Present Position: Researcher/Faculty
2016/1 - 2019/8 Principal Supervisor	Carl Skelton (In Progress) , OCAD University Student Degree Expected Date: 2019/8 Present Position: PDF
2015/6 - 2017/6 Principal Supervisor	Ana Jofre (In Progress) , OCAD University Student Degree Start Date: 2014/6 Student Degree Expected Date: 2017/7 Present Position: PDF
2013/6 - 2015/1 Principal Supervisor	Bhuvaneswari Arunahalan (Completed) , OCAD University Student Degree Start Date: 2013/1 Student Degree Received Date: 2015/3 Present Position: Employed in India
2013/1 - 2015/10 Co-Supervisor	Michael Cumming (Completed) , OCAD University Student Degree Start Date: 2013/6 Student Degree Received Date: 2015/8 Present Position: Contract Analyst
2012/1 - 2017/12 Principal Supervisor	Steve Sziget (Completed) , OCAD University Student Degree Start Date: 2011/2 Student Degree Received Date: 2015/6 Present Position: Manager, Visual Analytics Laboratory + UT Faculty
2011/5 - 2014/7 Principal Supervisor	Fanny Chevalier (Completed) , OCAD University Student Degree Start Date: 2010/1 Student Degree Received Date: 2013/1 Present Position: Research Chair INREA France

Knowledge and Technology Translation

1988/1	<p>Collaborator, Community Engagement</p> <p>Group/Organization/Business Serviced: Indigenous artists, arts organizations</p> <p>Target Stakeholder: Private Not-for-Profit Organization</p> <p>Outcome / Deliverable: As a leader at The Banff Centre I collaborated with Indigenous arts and culture leaders across Canada to initiate the "Aboriginal" (now Indigenous) Arts Program at the centre. I further brought Indigenous artists, computer scientists, philosophers and knowledge holders to the Banff New Media Institute to ensure Indigenous leadership of new media. When at OCAD U I prioritized developing consultations with Indigenous communities, artists, designers, thinkers, creating the Indigenous Visual Culture Program and priority hirings.</p> <p>Evidence of Uptake/Impact: Cheryl I'hironde's article discusses the impacts of this engagement. see references. OCAD U has one of the largest percentages of Indigenous faculty for a university population, a Tier One Indigenous culture Canada Research Chair and significant research capacity and granting history. Artists engaged in the BNMI have gone on to found the Abundant Intelligences project, an international network funded as an NFREF-Transformation grant. I am a member.</p> <p>References / Citations / Web Sites: https://issuu.com/publicjournal/docs/54_preview_w_cover/8 Re-lating Necessity and Invention: How Sara Diamond and The Banff Centre Aided New Media Production (1992 - 2005)</p>
2024/4 - 2025/3	<p>Principal Investigator and Organizer, Community Engagement</p> <p>Group/Organization/Business Serviced: Canadian and International Archives Communities</p> <p>Target Stakeholder: Policy Maker/Regulator</p> <p>Outcome / Deliverable: https://crossingfonds.com/symposium-2024/ I raised the funds for and led The Crossing Fonds Digital Archives Symposium, April 25-28, 2024 (budget \$104,000) hosted in Metro Vancouver and online, which shared two years of collaborative efforts and stimulated reflection on both the Crossing Fonds platform/ecosystem and the opportunities and challenges of digital archives writ large. Video recordings and presentation decks with sub-titling will be released in September 2024.</p> <p>Evidence of Uptake/Impact: Post-conference speaking opportunities by invitation to peer reviewed events. Participants eager to collaborate on future projects. Publication interest from DHQ (Digital Humanities Quarterly) and Cambridge University Press.</p> <p>References / Citations / Web Sites: https://crossingfonds.com/symposium-2024/</p> <p>Activity Description: This gathering united academic, GLAM (gallery, libraries, archives and museum) and community-based experts who brought knowledge and practice in digital archive platforms and interface design, visualization, critical archival theory and practice, principles of OCAP and CARE, an ethics of care, participatory and co-design methods and expertise with digital records, particularly from media arts and culture. The symposium combined face-to-face and online presentations and dialogues featuring archival projects from IBPOC, queer, disabled, and other equity-deserving communities. Preliminary workshops allow a deep dive into the Crossing Fonds ecosystem, its tools, visualization approaches, and critical archival methods. The symposium included open call student presentation sessions that the Crossing Fonds graduate student team organized.</p>

- 2022/5 - 2024/12 Research Leader PI, R&D Collaboration with Industry
 Group/Organization/Business Serviced: Screen Industry with Magnify Digital and TELUS Fund
 Target Stakeholder: Industrial Association/Producer Group
 Outcome / Deliverable: We deployed a wide range of qualitative research, media analytics, data analytics, AI, and interface design to research and invent 2 innovations, 1) QAS a quality analytics system that provides tools to gather engagement and impact data and analyze it. It guides producers to improve their content, 2) ContentRank which analyzes data from festivals, awards, and earned media to rank the quality of recognition of a screen media product.
 Evidence of Uptake/Impact: Integration into Magnify Digital's ScreenMiner. Ongoing funding to implement from the TelusFund and other partners. Publication of results, panel discussions and presentation by Magnify in screen industry forums. Interest outside Canada in adapting to other national contexts.
 References / Citations / Web Sites: <https://2024.hci.international/saturday>
 Activity Description: Research Prototype iteration User testing through trials and festivals and in on line screenings. Consultations with industry advisory committee.
- 2016/1 - 2022/12 Principal Investigator and Organizer, Policy/Regulation Development
 Group/Organization/Business Serviced: City of Toronto, developers, artists, architects, urban planners
 Target Stakeholder: Policy Maker/Regulator
 Outcome / Deliverable: Initiated and led with Dr. Daniel Silver, U of T and a broad advisory committee, the Redefining Public Art in Toronto project, a two year deep study of public art in Toronto, comparative cities, policies, practices, and governance, including interviews, and public consultations.
 Evidence of Uptake/Impact: Report was independent of the city and resulted in the Economic and Development committee of the city undertaking consultations which led to a new 10 year Public Art Strategy for the City of Toronto. The mayor fully endorsed our report and declared a year of public art ArtWorxTO, which I co-led with Councilor Crawford.
 References / Citations / Web Sites: <https://www.toronto.ca/legdocs/mmis/2019/ex/bgrd/backgroundfile-140705.pdf> <https://www.artworxto.ca/>
 Activity Description: Public forums, meetings with stakeholders, lobbying events, research report, leadership of \$11m dollar ArtWorxTO Year of Public Art (and leadership of fundraising committee). Policy crafting. www.ocadu.ca/sites/default/files/inline-images/Redefining%20Public%20Art%20Toronto%202017_1.pdf
- 2017/5 - 2019/12 Consultant, Consulting for Industry
 Group/Organization/Business Serviced: Sidewalk Labs
 Target Stakeholder: General Public
 Outcome / Deliverable: Consultation on building the public realm into Waterfront area plans.
 Evidence of Uptake/Impact: Funded public art projects.
 Activity Description: Campaign regarding public art inclusion. Planning events and use of space.

2016/5 - 2018/7	<p>Participant, Technology, Product, Process, Service Improvement/Development Group/Organization/Business Serviced: Toronto Regional Board of Trade Smart City Working Group</p> <p>Target Stakeholder: Government Personnel</p> <p>Outcome / Deliverable: Development of industry/municipal initiatives to adopt Smart City strategies for the City of Toronto Conference Activities</p> <p>Evidence of Uptake/Impact: Mayor Endorsement Budget Chief Engagement</p> <p>Activity Description: Working group meetings Conferences 2016 and 2017 Policy Paper Engagement with federal policy</p>
2015/1 - 2017/12	<p>Participant, Policy/Regulation Development</p> <p>Group/Organization/Business Serviced: Government of Ontario</p> <p>Target Stakeholder: Government Personnel</p> <p>Outcome / Deliverable: I participated in a number of roundtables and advisory panels regarding digital government in Ontario.</p> <p>Evidence of Uptake/Impact: Hiring of a Chief Digital Officer. Migration of services and records to digital platform.</p> <p>Activity Description: Roundtables, hiring framework development, lectures to employees, lab tours.</p>
2012/1 - 2016/1	<p>President, Business Innovation</p> <p>Group/Organization/Business Serviced: Imagination Catalyst</p> <p>Target Stakeholder: Industrial Association/Producer Group</p> <p>Outcome / Deliverable: Business incubation in design</p> <p>Evidence of Uptake/Impact: 50 companies formed</p>
2013/5 - 2015/7	<p>Co-Organizer, Research Uptake Strategies</p> <p>Group/Organization/Business Serviced: CANVAS</p> <p>Target Stakeholder: Industrial Consortium</p> <p>Outcome / Deliverable: CANVAS summer schools bring together industry and academics to explore Visual Analytics</p> <p>Evidence of Uptake/Impact: Hiring of students, adoption of visual analytics methods and systems.</p>
2009/1 - 2014/12	<p>President and Chair, Technology, Product, Process, Service Improvement/Development Group/Organization/Business Serviced: Mobile Industries</p> <p>Target Stakeholder: Industry/Business-Medium (100 to 500 employees)</p> <p>Outcome / Deliverable: Business incubation, research, university/college partnerships</p> <p>Evidence of Uptake/Impact: 50 companies, 150 members</p>

International Collaboration Activities

2024/11 - 2030/1	<p>Collaborator, New Zealand</p> <p>Abundant Intelligences collaboration and meetings with Maori organizations to explore Indigenous Knowledge Systems in relation to AI</p>
2009/3 - 2016/1	<p>Principal Investigator, Brazil</p> <p>BRAVA Network in Visual Analytics and various activities.</p>
2014/3 - 2013/3	<p>Chair Mobile HCI, Canada</p> <p>Mobile HCI is an international conference which I co-chaired in Canada in 2014.</p>

Presentations

1. Karen Knights, Dr. Andrea Fatona, Melanie Hardbattle, Dana Claxton. (2024). Crossing Fonds to Enhance Access and Support Interpretation - Introduction and Part 2 Serving Up Feminism. GAVA The 2nd Global Audiovisual Archiving Conference, Toronto and Online, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: Yes
Description / Contribution Value: Panel Organizer and Speaker
Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC)
2. Gonzalo Martínez Santos, Sara Wagner, David Kossowsky, Dr. Matthew Roorda. (2024). A Generative Design Tool for Designing Complete Communities. Canadian Transportation Research Forum, Montreal, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: Yes
3. Yun Xie, Chris Kim, Adit Verma, Haoru Li, Yuanyuan Song, Xinxi Liu. (2024). Artificial Intelligence and Data in Cultural Heritage Experience Design Panel Chair. HCII 2024 Culture and Computing Conference, Washington and online,
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
4. (2024). Crossing Fonds: Collaborating Across Archives with a Culture of Care. Association of Canadian Archivists Conference, online, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
5. Sara Wagner, PE Jacob Klimczak David Kossowsky Dr. Sara Diamond, C.M., O.Ont., R.C.A., ICD.D Dr. Matthew Roorda, Peng Gonzalo Martínez Santos. (2024). A Generative Design Tool for Designing Complete Communities. 8th INTERNATIONAL CONFERENCE URBAN E-PLANNING, Lisbon and online, Portugal
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: Yes
6. Cathy Cobie, Global Responsible AI Co-Lead EY Cindy Gordon, CHoward Pezim, ;Dr. Yannick Lallement, Chief AI Officer, Scotia Bank, Aaron Franks Research Lead, Data Sovereignty Research Collaboration. (2024). Breakfast Series 2: Embracing AI: Managing AI with Corporate Purpose. Embracing AI Executive Series: EY/Bedford Group/SalesChoice, Toronto, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes, Competitive?: No
Description / Contribution Value: Participated in organizing the event and providing overview to corporate decision makers in relation to ethical AI adoption, Indigenous data sovereignty, data governance. The event was based on a publication I co-authored with Dr. Cindy Gordon.
7. Martinez-Santos, G., Wagner, S. Kossowsky, D., Diamond, S. and Roorda, M. (2024). A Generative Design Tool for Designing Complete Communities in Understanding and Modeling Residential Development and the Communities They Foster. TRB, Washington DC,
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: Yes

8. (2024). Crossing Fonds Symposium - Case Study One, Introduction to Crossing Fonds, Moderator.
Crossing Fonds Symposium, Surrey, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: Yes
Description / Contribution Value: I was PI for this SSHRC funded 3 day conference with 1 day of workshops. Presentation of critical archival practice, Crossing Fonds open source platform and related tools and methods.
Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC)
9. Kamalmaz, S.; Diamond, S.; Goldstein, R.; Bowes, J.; Wright, R.; Roorda, M.; Bibliowicz, J.; Van Alstyne; G. Wagner, S. (2023). Generative Design for a Complete Community Park, A Work in Progress. ANNSIM 2023, Hamilton, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: Yes
10. Martinez-Santos, G., Wagner, S. Kossowsky, D., Diamond, S. and Roorda, M. (2023). A Generative Design Tool for Designing Complete Communities. Transportation Research Board 103rd Annual Planning Meeting, New York City,
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: Yes
11. Kamalmaz, S.; Diamond, S.; Goldstein, R.; Bowes, J.; Wright, R.; Roorda, M.; Bibliowicz, J.; Van Alstyne; G. Wagner, S. (2023). Generative Design for a Complete Community Park, A Work in Progress. ANNSIM 2023, Hamilton, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No, Competitive?: Yes
Description / Contribution Value: Presentation and poster regarding the use of Generative Design tools and processes in planning a public park in partnership with a developer and city.
12. (2023). Good Practices for Data Sharing. Mass Culture DNA Model#3, online, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
13. Panel curated by S. Diamond with Naomi Kritzer and Cadie Desbiens-Desmeules on AI and agency. (2022). Cats Rule the Internet. Online Panel Event, Toronto, Canada
Main Audience: Knowledge User
Invited?: No, Keynote?: Yes, Competitive?: No
14. (2022). Building your digital backbone. ArtsReach Conference, New York, United States of America
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: Yes
15. (2022). Sustainable Development and the Electrification of Transit. 7th International Congress of Art, Science and Technology and Digital Arts' Seminar, Sao Paolo, Brazil
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
16. (2022). Sustainable Development and the Electrification of Transit. SSHRC and Infrastructure Canada Knowledge Mobilization Seminars, online, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes, Competitive?: No
Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC)

17. (2022). Digital and New Media Arts Archives– Challenges and Opportunities. Museums without Borders, Kingston, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes, Competitive?: No
Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC)
- [18.](#) (2021). Echo Culture Data Echo Culture. A symposium, OCAD U Lead Data Echo Culture brings together a rich coalition of people working in the fields of culture and data use. Co-initiator and co-lead., Toronto, Montreal, online, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
Description / Contribution Value: A symposium, OCAD U Lead Data Echo Culture brings together a rich coalition of people working in the fields of culture and data use. Co-initiator and co-lead. 2500 in attendance from around the world.
Funding Sources: Heritage Canada/Government of Quebec/Canada Council
19. (2021). Exploring the Digital Needs of Niagara's Arts Community. Exploring the Needs Series, St. Catherine's, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
Description / Contribution Value: I was senior advisor on this project with the Performing Arts Centre, Niagara, At. Catherine's, which included workshops, online performances, keynotes, panels. 2 weeksseries exploring arts strategies for digital transformation and COVID-19
Funding Sources: Canada Council for the Arts
- [20.](#) (2021). How Artists are Turning to the Internet in Creative Ways. <https://www.cbc.ca/radio/spark/how-artists-are-turning-to-the-internet-in-creative-ways-amid-covid-19-isolation-1.5561738>, radio, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes, Competitive?: No
21. (2021). Revisiting the Women's Labour History Project 1978 – 1995. Seminar with Simon Fraser University Department of History, Burnaby, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes, Competitive?: No
22. (2021). Forward Thinking Arts Panel: The Data and The Digital. The Data and the Digital, online, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: No
- [23.](#) (2021). Then, Now, and Forward: Kick-Off Panel. The Future of Public Art Symposium, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: No
Funding Sources: City of Toronto
24. (2021). Data Advocacy, Achieving Indigenous, Racial and Gender Equity through Analytics. TIFF (Toronto International Film Festival), Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: No
- [25.](#) (2021). "The Danger of Disappearance". Project Endings in the Digital Humanities, Victoria/Online, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes, Competitive?: Yes
Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC)

26. (2021). Presentation on cultural policy, data, and COVID-19 response for the arts. La danse sur les routes du Québec, Montreal online, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
27. (2021). Reviewing the "New" in New Media. SFU Honorary Doctorate Campus Lecture, Surrey and Online, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: Yes
28. (2021). Design for Our Times: 4 Workshops on Design and Science. National Research Council series, online, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
Description / Contribution Value: 4 workshops and related consultations for the **National Research Council of Canada** Additional URLs <https://nrc-publications.canada.ca/eng/view/object/?id=89ed13ef-fc84-476c-9233-a2d852f69a5e> <https://nrc-publications.canada.ca/eng/view/object/?id=35b6b034-d605-49e2-991e-caf021765334>
Funding Sources: National Research Council Canada (NRC) (Ottawa, ON)
29. Kasraian, D., Adhikari, S., Kossowsky, D., Luubert, M., Hall, B., Hawkins, J., Nurul, H. K., Mariano, G C., Kewalramani, I., Adnani, V., Bascunan, O., Bowes, J., Diamond, S., Wang, B., Kasraian, D., R. (2020). Designing a complete streets dashboard for team iCity. Fourth Bi-annual GIS in Education and Research Conference, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: Yes
Description / Contribution Value: Provided insights into the development of visualization systems that support consultation for the design of complete streets.
30. (2020). The University that Sara Built. The Agenda with Steve Paikin, online, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes, Competitive?: No
31. (2020). Data Visualization and Transportation Analytics, Taxonomies, 2D vs 3D strategies. iCity Webinars, Toronto/online, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
32. (2019). Future of Post-Secondary Education. Canada 175: Future Forward Conference, Globe and Mail., Toronto, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes, Competitive?: No
33. (2019). Data in the Background, Agency in the Foreground. Americas Cultural Summit, Buenos Aires, Argentina
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
34. (2019). Inclusive Design, Tech X Accessibility Roundtable. Art x Tech @SG: Spotlight on Canadian Digital Arts Innovation, Singapore, Singapore
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes, Competitive?: No

35. (2019). Cultural Analytics. Be Spatial, Etobicoke, Canada
 Main Audience: Decision Maker
 Invited?: Yes, Keynote?: No, Competitive?: No
 Description / Contribution Value: How can we refresh our thinking about the impacts, presence, opportunities and needs for cultural expression in our contemporary and future cities through the lens of smart cities, and urban analytics?
 Funding Sources: Municipalities
36. (2019). The Human: Machine Alliance – Bridging the Creative Gap. Art x Tech @SG:Spotlight on Canadian Digital Arts Innovation, Singapore, Singapore
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: Yes, Competitive?: No
37. (2019). Visualization and Agency: Considerations Regarding Data Fluency and Agency. Imagenfest 2019, Manizales, Colombia
 Main Audience: General Public
 Invited?: Yes, Keynote?: Yes, Competitive?: No
38. (2019). Think Piece: Challenging AI with Contemporary Decolonialisation Discourse. ENTANGLEMENT: ARTIFICIAL INTELLIGENCE, HIVE MIND, DRONE CONSCIOUSNESS - THE FUTURE OF KNOWLEDGE SYSTEMS, London, United Kingdom
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: Yes, Competitive?: No
 Description / Contribution Value: An exploration of theories of agency from science and technology studies, feminist theory and Indigenous knowledge of relevance to the creation of deep learning and agent systems.
 Funding Sources: Royal College of Art
39. (2019). On the Cultural Horizon – Dilemmas and Opportunities of the Digital Experience. Americas Cultural Summit, Buenos Aires, Argentina
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: Yes, Competitive?: No
40. (2018). Archiving Creativity. GLAM Conference, Toronto, Canada
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: Yes, Competitive?: No
 Description / Contribution Value: Overview of alternative archive strategies, with challenges and successes. Included a focus on the use of data strategies to catalogue and preserve.
 Funding Sources: GLAM
41. (2018). Smart Cities Require a Design Toolkit. ICT4S, Toronto, Canada
 Main Audience: Researcher
 Invited?: Yes, Keynote?: No
42. Mudit Ganguly. (2018). Complete Streets: Qualitative Research Methods. iCity Annual Research Conference, Toronto, Canada
 Main Audience: Decision Maker
 Invited?: Yes, Keynote?: Yes
43. (2018). Archiving Creativity. GLAM (Galleries, Libraries, and Museums), Toronto, Canada
 Main Audience: Knowledge User
 Invited?: Yes, Keynote?: Yes

44. (2018). What is a School?". Daniels School of Architecture Opening Forum, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: No
Description / Contribution Value: Moderated and contributed to a discussion on the future of design education.
Funding Sources: University of Toronto
45. (2018). Multidisciplinary Literacy and Learning: STEAM + D. University of Toledo, Toledo, United States of America
Main Audience: General Public
Invited?: Yes, Keynote?: Yes, Competitive?: No
Description / Contribution Value: An overview of achievements and challenges in integrated STEM knowledge and the arts.
Funding Sources: University of Toledo
46. (2018). Future Cities: Big Data Resilience and Human-Centered Design. Futures Cities Conference, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
Description / Contribution Value: The presentation explored the importance of using design focused approaches to urban planning.
Funding Sources: IBM
47. (2018). Data Visualization: Fundamental 21st Century Knowledge. Sanders Lecture, TUX, Toronto User Experience Speakers Series, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: Yes
Description / Contribution Value: Explored the value of data visualization and new techniques in the era of machine learning and big data.
Funding Sources: Autodesk
48. (2018). Design Thinking Meets Big Data. PWC Annual Keynote, Toronto, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes, Competitive?: No
Description / Contribution Value: Provided and overview of qualitative and quantitative methods for business planning.
Funding Sources: PWC
49. (2018). Why Design and Design Ethics Matter. IBM Design Symposium, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes, Competitive?: No
Description / Contribution Value: Provided a detailed overview of the opportunities and challenges of design thinking and visualization applications in the era of behavioral economics.
Funding Sources: IBM
50. (2018). Modeling New Knowledges - An Inclusive STEAMM+D Imperative. Sackler Colloquium - Revisiting Cybernetic Serendipity, National Science Foundation, Washington, United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: No
51. (2017). Dystopia! New Media Histories. Montreal Summit on the History of New Media Research in Canada, Montreal, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes

52. (2017). From Virtual Reality to Visualization: Reflections on the Early Wave of VR. VSMM, Dublin, Ireland
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
53. (2017). Planning with Big Data. Toronto Public Library, Toronto, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes
54. Dr. Justin Longo. (2017). Transformation Through Big Data. Armchair Discussion - Canadian School of Public Service, Ottawa, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes
55. (2017). From Virtual Reality to Visualization: Reflections on Immersive Media in Canada 1989 – 2005. VRTO, Toronto, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes
56. (2017). TransCanada Cluster Capacity. Digital Media at the Crossroads, Toronto, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: No
57. (2017). Future Cities. Canada 2020, Ottawa, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: No
58. (2017). Visualizing Future Cities. SAP Future Cities Conference, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
59. (2017). Change Requires a Creative Tool Kit. Conference Board of Canada on Gender Equity, Vancouver, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes
60. (2017). Big Data Analytics and the Power of Visual Analytics. Conference on Big Data and Information Analytics - Fields Institute for Research in Mathematical Sciences, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
61. Jack Diamond; Steve Diamond. (2017). Fireside Chat - 3 Diamonds. Urban Land Institute -, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
62. (2017). Data Materialization. CREATE DAV NSERC Bootcamp, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
- [63.](#) (2017). Action Agenda: Vancouver's Prescient Media Arts. International Symposium on Electronic Arts, Vancouver, Vancouver, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes, Competitive?: No
Description / Contribution Value: An historical analysis of the media arts in Vancouver, BC beginning in the 1960s.

Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC)
64. (2017). Design Policy and Design Thinking - A Canadian Context. EDIT, Toronto, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: No

65. Moderated and Invited Panelists: Andrea Fatona, Robert Diaz, Sisi Fu, Julie Nagam. (2017). Pluralism in the Arts: Converge 2017. Converge 2017, Ottawa, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: No
66. (2017). User Centered Design vs Data-Driven Design. GRIP Conference, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
67. (2017). Design Policy and Global Strategy. International Design Forum, Montreal, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes
68. (2017). Design in an Age of Exponential Technologies. IBM National Design Conference, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
69. (2016). Ontario Government Connects: Digital Transformation in Government and Citizen Engagement. Ontario Government Connects, Toronto, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes
70. (2016). Anxious to Sea Change. McLuhan Lecture, Transmediale, Berlin,
Description / Contribution Value: "AgeofAnxiety" is a pervasive concept of the twenty-first century, emerged in the aftermath of World War One, in response to the devastation and social upheaval of that era – massive labour unrest, and at the same time the emergence of psychoanalytic theory.
Funding Sources: Transmediale and Government of Canada
71. (2016). Smart Cities - Using Data to Build a Flourishing Culture. World Futures Cities Summit, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
72. (2016). Visualizing Data for Urban Transportation. Transportation Data Conference, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
73. (2016). Visual Analytics and the Globe and Mail: Industry Case Study. CREATE DAV Research Showcase, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
74. (2016). Materializing Data: Notes on Collaboration and Tangible Interfaces. First Brazilian Congress, Design + Materials, Sao Paulo, Brazil
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
75. (2016). Smart City Summit and Consultations Summaries. SmartCity Summit, Toronto Regional Board of Trade, Toronto, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: No
76. (2016). STEAM + D: Complex Creative Skills for an Age of Transformation. Social Innovation Summit (Universities Canada and Federation of the Social Sciences and Humanities), Ottawa, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes

77. (2016). Comparative Models: The Banff New Media Institute and the Digital Media Research and Innovation Institute. Contemporary Digital Art: Conservation, Dissemination, Market Colloquium, Montreal, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
78. (2016). 3D to 3D: New Dimensions of Data Representation. Immersive Analytics: Exploring Future Interaction and Visualization Technologies for Data Analytics, Niagara Falls, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
79. (2015). The Diversity Convention and Digital Technologies: Challenges and Success Stories. CCUNESCO 2015, Ottawa, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: No
80. (2015). Respondent to His Honour David Johnston. The Governor General's Canadian Leadership Conference, Ottawa, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes

Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC)
81. (2015). The Big Data Stream: Creative Control in the Age of Data Analytics. Banff World Media Festival, Banff, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes
82. Lyn Bartram, Donna Cox, Roger Malina, Lev Manovich. (2015). Thirty Years of Artists Visualization. ISEA Vancouver, Vancouver, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
83. (2015). STEAM +D: Complex Creative Skills for an Age of Transformation. Social Innovation Roundtable (SSH Federation and Universities Canada), Ottawa, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes
84. (2015). Art and Design in the Connected World. Toronto Board of Trade Keynote, Toronto, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes

Funding Sources: Toronto Regional Board of Trade
85. (2015). Action Agenda: Vancouver's Prescient Media Arts. ISEA Vancouver, Vancouver, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
86. (2015). Challenges, Best Practices, and the Future of Transdisciplinary Collaboration in Media Art, Science and Technology. Re-Create: Media Art History Conference, Montreal, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes

Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC)
87. Panel Moderator with Robert Le Page, Stan Douglas, Jeffrey Shaw, Sarah Kenderdine. (2015). Hidden Pasts, Digital Futures Discourse. Simon Fraser University, Vancouver, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No

88. (2015). Art, Nature and Survival: Applying Aesthetics to Data Visualization. Semana das Artes 2015, Fortaleza, Brazil
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
89. (2015). Constructive Visualization. CANVAS 2015, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
90. (2015). Urban Visualization. Intelligent Communities Summit keynote, Toronto, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes
91. (2015). Urban Visualization. Smart City Summit, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
92. Hudson Pridham, Bhuvaneswari Arunachalan, Anne Stevens. (2014). Care and Condition Monitor: Support for Long-Term Care. CANVAS 2014, Vancouver, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
93. (2014). Visual Analytics for HealthCare. PAHCE 2014, Brasilia, Brazil
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
94. (2014). Representing Data: Visualization, Sonification, Tangible Data Representation, Sculpting, Vibro-tactile and Wearable Displays. CANVAS 2014, Vancouver, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
95. Steve Szigeti. (2014). Social Media Data Visualization: Case Study Globe and Mail. CASCON 2014, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
96. (2013). Designing Visual Analytics Tools for Mobile Healthcare Platform, Workshop. CANVAS 2013, Halifax, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
97. (2013). Data Driven Design: New Approaches to Visual Analytics. Coast to Coast Lecture Series, Charlottetown, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
98. (2013). Art, Technology, Imagination and Social Science. World Social Science Forum, Montreal, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
99. (2013). Canadian New Media Art + Technology. Canadian Studies Fortieth Anniversary Lecture Series, Trent University, Peterborough, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
100. (2013). Aesthetic Histories and Material Practices in Data Visualization. Encuentro Interuniversidad Argentina/Canada, Buenos Aires, Argentina
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes

Funding Sources: Department of Foreign Affairs and International Trade (Canada)

101. (2013). Building a Values-Driven Institution. Big Wave/Kumukuki Community Arts Conference 2011, Adelaide, Australia
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
Funding Sources: Australian Academy of the Humanities
102. (2013). Mobile Data, A Reliable Data?. Data Marketing 2013, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
103. (2013). Visual Analytics, Collaborative Systems and Design and Health Research. SinnaInnovations, Mount Sinai Research Hospital, New York, United States of America
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
104. (2013). Cultivating the Data Harvest. TEDx OCADu, Toronto, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes
105. (2013). Aesthetic Traditions and Challenges for the Field of Visual Analytics. CANVAS 2013, Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
106. (2012). CodeLive, Technology and Cultural Transformation. Cultural Olympiad, Vancouver, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: No
Funding Sources: British Columbia Heritage Trust (Victoria, BC)
107. (2012). Designing for Mobile Platforms. Mobilefest, São Paulo, Brazil
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes
Funding Sources: Foundation for the Support of Research in Rio de Janeiro State (FAPERJ) (Brazil)
108. (2012). Canada's Digital Strategy. Price Waterhouse Cooper, Toronto, Canada
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes
109. (2012). Digital Policy in Canada. Shulich School of Business, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
110. (2012). Converging at The Source: Art, Science + Technology. Media Art Networks of Canada, Banff, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
Funding Sources: Canada Council for The Arts
111. (2012). Visualization for Smarter Analytics. CASCON 2012, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
112. (2012). Visualization and Aesthetics. McLuhan 100th Anniversary Conference, University of Toronto, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes

113. (2012). Mobile Entertainment, Understanding the Value Chain. Prime Time Conference, Ottawa, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
Funding Sources: Canadian Media Producers Association
114. (2012). ALIVE and inspired: art, science, design and technology collaboration. ALIVE Laboratory, Hong Kong, Hong Kong
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
Funding Sources: City University of Hong Kong
115. (2012). Models for Institutional Engagement. Art & Social Responsibility Conference Big Wave Conference, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
Funding Sources: York University

Publications

Journal Articles

1. Sara Diamond. (2023). TheDangers of Disappearance, the Opportunities of Recovery. Digital Humanities Quarterly, Special Issue Project Resiliency in the Digital Humanities. 17(1): Online.
Published,
Refereed?: Yes
Editors: Cailin Rose Guest Editors:Janelle Jenstad, Martin Holmes; Matt Huculak
2. Ghafouri-Azar, M., Diamond, S., Bowes, J., & Gholamalizadeh, E. (2023). The sustainable transport planning index: A tool for the sustainable implementation of public transportation. Sustainable Development. Volume31(Issue 4): 2656-2677.
<http://dx.doi.org/https://doi.org/10.1002/sd.2537>
Published, Wiley Online Library,
Refereed?: Yes
3. Sara Diamond. (2020). Addressing the “Imagination Gap” through STEAMM+Dand Indigenous Knowledge. PNAs. PNAs MS# 2018-08679R
Published, PNAs National Academy of Science, United States of America
Refereed?: Yes
4. Skelton, Carl, Bowes, Jeremy, Koplin, Martin, Kim, Jee Won, Carnevale, Michael, Balki, Nannini Lee & Diamond, Sara. (2019). Citizen Informatics: Integrating Urban Data andDesign for Future Stakeholders. International Journal of Electronic Governance, Interscience Ltd.11(1): 23 - 43.
<http://dx.doi.org/10.1504/IJEG.2019.098816>
Published, Interscience, Sweden
Refereed?: Yes
5. Gordon, M.A., Diamond, S., Zheng, Minsheng & Carnevale, M. (2018). Compara. Encounters in Theory and History of Education, , Digital Methods and Media. Volume 19(1): online.
Published, <https://ojs.library.queensu.ca/index.php/encounters/article/view/11867>,
Refereed?: Yes
Editors: Ana Jofre
6. Jofre, A., Keller, S., Dong, Lan-Xi, Szigeti, S. & Sara Diamond, S. (2017). DataBlocks: A Hands on tangible interface for Browsing and Querying Data. Informatics, MDPI. MPDI(3): 50 - 70.
Published,
Refereed?: Yes

7. Diamond, S., Szigeti, S., Jofre, A. (2016). Materializing Data: Notes on Collaboration and Tangible Interfaces. DAT Journal, Transdisciplinaridades: Projetos, Materiais e Processos. v1(N.2)
Published,
Refereed?: Yes
8. Jofre, A., Szigeti, S., Diamond, S. (2016). Citizen Engagement Through Tangible Data Representation. Foro de Educacion. 14(20): 114-124.
Published,
Refereed?: Yes
9. Sara Diamond. (2014). Canadian Universities Support High Performing Researcher. Research Money.
Published,
Refereed?: No

Books

1. Sara Diamond Vera Roberts. (2013). Taking Ontario Mobile. : 325. Kathleen Webb.
Co-Author
Published, MEIC + OCAD University Press,
Refereed?: Yes
2. Sara Cook Sara Diamond. (2013). Euphoria and Dystopia: The Banff New Media Institute Dialogues. Print and E-Editions: 680.
Co-Author
Published, University of Waterloo Riverside Architectural Press + Banff Centre Press,
Refereed?: Yes

Book Chapters

1. Sara Diamond. (2024). Creating Alliances for Inclusive Knowledge and Generous AI in the 21st Century. Jose Carlos Mariategui. Museo digital: Inteligencias y artificios.
In Press, Fundación Telefónica Movistar and MUAC, Mexico City,
Refereed?: No
2. Sara Diamond. (2024). Town and Gown: University and College Galleries and Museums and Community Engagement. Brad King. New Directions in University Museums.
Published, Rowman & Littlefield Publishers,
Refereed?: No
3. Sara Diamond. (2022). Magnetic Forces: Nuit Blanche Toronto: 2006 - 2020. Julie Nagam and Janine Marchessault. Holding Ground: Nuit Blanche and Other Ruptures.
Published, Public Access, Toronto,
Refereed?: No
4. Sara Diamond. (2019). Parallel processing: public art and new media art. Brad Buckley and John Conomos. A Companion to Curation. 1st
In Press, Blackwell Press., New York,
5. Jeremy Bowes, Sara Diamond, Manpreet Juneja, Marcus Gordon, Carl Skelton, Manik Gunatilleke, Michael Carnevale, Minsheng Davidson Zheng. (2018). User-Centered Taxonomy for Urban Visualization. HCI in Business, Government and Organizations. : NA.
Accepted, Springer International,
Refereed?: Yes
6. Diamond, S., Szigeti, S., Jofre, A. (2017). Building Tools for Creative Visualization: A Comparative View of Data Driven Design and User Centric Design. Distributed, Ambient and Pervasive Interaction. : 202-223.
Published, Springer,
Refereed?: Yes

7. Diamond, S. (2017). Event Horizons: New Media Art Presentation from Cybernetic Serendipity to Data Curation. Brad Buckley and John Conomos. A Companion to Curation. 1st: 160-180.
In Press, Blackwell Press,
Refereed?: Yes
8. Diamond, S. (2016). Foreword. Zuanon, Rachel. Projective Processes and Neuroscience in Art and Science. 1: 2-5.
Published, MIT Press,
Refereed?: Yes
9. Sara Diamond. (2015). The Fabric of Memory – Towards the Ontology of Contemporary Textiles. Janis Jeffries, Diana Wood Conroy, Hazel Clark. The Handbook of Textile Culture. : 550.
Published, Bloomsbury,
Refereed?: Yes
10. Sara Diamond. (2012). Many Points of Light: Visualization and the Converging Aesthetics of Art, Design and Science. Critical Digital Studies Reader. : 213-245.
Published, University of Toronto Press,
Refereed?: Yes

Reports

1. Sara Diamond and Cindy Gordon. (2024). Putting Corporate Purpose at the core of Technology Decisions. 22. Canadian Centre for the Purpose of the Corporation.
<http://dx.doi.org/https://navltd.com/insights/ccpc/putting-corporate-purpose-at-the-core-of-technology-decisions/>
2. OCAD UNIVERSITY Dr. Sara Diamond Aimee Burnett Jeremy Bowes Dr. Mona Ghafouri-Azar Dr. Michelle Wyndham-West GrPreeti Mahajan Grace Yuan Shuting Zhou Maya Mahgoub Desai CANADIAN URBAN TRANSIT RESEARCH & INNOVATION CONSORTIUM (CUTRIC) UNIVERSITY OF TORONTO Sara Wagner. (2021). Sustainable Development and the Electrification of Transit. 54. CUTRIC.
http://dx.doi.org/https://www.sshrc-crsh.gc.ca/society-societe/community-communite/ifca-iac/evidence_briefs-donnees_pr
Editors: See also <https://research.ocaduwebpace.ca/research/val/project/sustainable-development-and-electrification-of-transit.html>
3. Sara Diamond and Dan Silver, et al. (2017). Redefining Public Art in Canada. 128. City of Toronto.
4. Diamond, S. & Roberts, V. (2013). Taking Ontario Mobile. 385. Mobile Experience Innovation Centre.
5. Sara Diamond and Kathleen Webb. (2013). Mobile Industry Report. 98. Mobile Experience Innovation Centre.

Conference Publications

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Intellectual Property

Disclosures

1. Tangible Interface Visualization System
Disclosed
Date Issued: 2016/1
Filing Date: 2015/11/03
Patent in process