Dr. John McLevey

he/him

Knowledge Integration (KI)
Sociology & Legal Studies (SLS)
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Appointments

2022–Present **Associate Chair (Undergraduate)**
Vanessa Schweizer was ACUG during my 6-month sabbatical (2023) and parental leave (2024)
Knowledge Integration, Faculty of Environment
University of Waterloo

2019–Present **Associate Professor (with tenure)**
ADDS Status - Approved Doctoral Dissertation Supervisor
Knowledge Integration, Faculty of Environment
Sociology & Legal Studies, Faculty of Arts
University of Waterloo

2013–2019 **Assistant Professor (tenure track)**
ADDS Status - Approved Doctoral Dissertation Supervisor
Knowledge Integration, Faculty of Environment
Sociology & Legal Studies, Faculty of Arts
University of Waterloo

Affiliations

2023 **Visiting Scholar**
Department of Sociology, University of British Columbia
Vancouver, BC, Canada

2019 **Visiting Scholar**
Political and Social Sciences, Scuola Normale Superiore
Florence, Tuscany, Italy

2014–Present **WICI Affiliate Researcher**
Waterloo Institute for Complexity and Innovation (WICI), University of Waterloo
Waterloo, ON, Canada

2014–Present **Policy Fellow**
Balsillie School of International Affairs (BSIA)
Waterloo, ON, Canada

2018–Present **Co-Organizer and Instructor for Science Outside the Lab, North**
Forum on Science, Policy, and Society
Ottawa, Montréal, Vancouver, and Victoria (Canada)

2019–2020 **Leadership Team Member**
Knowledge Development and Exchange Hub: Child and Youth Mental Health Promotion
Funded by the Public Health Agency of Canada

2014–2017 **Board Member**
University of Waterloo Survey Research Centre
Waterloo, ON, Canada

Education

2013 **PhD, Sociology**
McMaster University, Hamilton, ON, Canada

2009 **MA, Sociology**
McMaster University, Hamilton, ON, Canada

2008 **BA(H), Sociology & Political Science**
Memorial University, St. John's, NL, Canada

Research Areas

Computational Social Science, Networks, Cognitive Social Science, Public Opinion, Political Sociology, Sociology of Science and Technology, Environmental Politics, Quantitative Methodology and Scientific Computing, Generative Modelling, Bayesian Statistics, Natural Language Processing and Text Analysis

Publications

Overview of Publications Since 2013

	Count
Refereed Books	4
Refereed Journal Articles	16
Refereed Book Chapters	9
Research & Policy Reports	5
Special Issues of Journals	2
Article Manuscripts in Progress	3
Book Manuscripts in Progress	1
Non-refereed Publications	3

Books

2023 John McLevey, John Scott, and Peter J. Carrington (Eds). *The Sage Handbook of Social Network Analysis, Volume 2*. London, UK: Sage.

2022 John McLevey. *Doing Computational Social Science*. London, UK: Sage.

2022 Harry Collins, Rob Evans, Martin Innes, Will Mason-Wilkes, Eric Kennedy, and John McLevey. *The Face to Face Principle and the Internet: Science, Trust, Truth and Democracy*. Cardiff, UK: Cardfiff University Press.

2020 Mark Stoddart, Alice Mattoni, and John McLevey. *Industrial Development and Eco-Tourisms: Is Co-existence Possible Between Oil Exploration and Nature Conservation?*. London, UK: Palgrave MacMillan.

Journal Articles

(Student co-authors are *italicized*)

2023 David Tindall, Nina Kolleck, and John McLevey. "Social Networks and Anthropogenic Climate Change (Special Issue Introduction)." *Social Networks*.

2022 *Alexander Graham*, John McLevey, *Tyler Crick*, and *Pierson Browne*. "Structural Diversity is a Poor Proxy for Information Diversity: Evidence from 25 Scientific Fields." *Social Networks*. 70: 55-63.

2022 John McLevey, *Tyler Crick*, *Pierson Browne*, and Darrin Durant. "A New Method for Computational Cultural Cartography: From Neural Word Embeddings to Transformers and Bayesian Mixture Models." *Canadian Review of Sociology / Revue canadienne de sociologie*. 59(2): 228-250.

2022 David Tindall, John McLevey, *Yasmin Koop-Monteiro*, and *Alexander Graham*. "Big Data, Computational Social Science, and Other Recent Innovations in Social Network Analysis." *Canadian Review of Sociology / Revue canadienne de sociologie*. 59(2): 271-288.

2022 Allyson Stokes, Janice Aurini, Jessica Rizk, Rob Gorbet, and John McLevey. "Using Robotics to Support the Acquisition of 21st Century Competencies: Promising (and Practical) Directions." *Canadian Journal of Education / Revue Canadienne De l'éducation*. 45(4): 1141–1170.

2022 Jessica Rizk, Janice Aurini, Allyson Stokes, Rob Gorbet, and John McLevey. "Leading through the COVID-19 Pandemic: Research with Canadian Education Leaders." *Canadian Journal of Educational Administration and Policy*.

2021 Igor Grossman, Oliver Twardus, Michael E. W. Varnum, Eranda Jayawickreme, and John McLevey. "Expert Predictions of Societal Change: Insights from the World after COVID Project." *American Psychologist*. 77(2): 276–290.

2021 Kathryn S. Plaisance, *Janet Michaud*, and John McLevey. "Pathways of Influence: Understanding the Impacts of Philosophy of Science in Scientific Domains." *Synthese*. 199: 4865–4896.

2020 Mark Stoddart, John McLevey, Vanessa Schweizer, and Catherine Wong. "Climate Change and Energy Futures: Theoretical Frameworks, Epistemological Issues, and Methodological Perspectives." *Society & Natural Resources*. 33(11): 1331-1338.

2019 Kathryn S. Plaisance, *Alexander V. Graham*, John McLevey, and *Janet Michaud*. "Show Me the Numbers: A Quantitative Portrait of the Attitudes, Experiences, and Values of Philosophers of Science." *Synthese*. 198: 4603-4633.

2018 Owen Gallupe, John McLevey, and Sarah Brown. "Selection or Influence? A Meta-Analysis of the Association between Peer and Personal Offending." *Journal of Quantitative Criminology*. 35: 313-335.

2018 John McLevey, *Alexander Graham*, *Reid McIlroy-Young*, *Pierson Browne*, and Kathryn S. Plaisance. "Interdisciplinarity and Insularity in the Diffusion of Knowledge: An Analysis of Disciplinary Boundaries Between Philosophy of Science and the Sciences." *Scientometrics*. 117(1): 331-349.

2017 John McLevey and *Reid McIlroy-Young*. "Introducing *metaknowledge*: Software for Computational Research in Information Science, Network Analysis, and Science of Science." *The Journal of Informetrics*. 11: 176-197.

2016 Allyson Stokes and John McLevey. "From Porter to Bourdieu: The Evolving Specialty Structure of English Canadian Sociology, 1966- 2014." *Canadian Review of Sociology / Revue canadienne de sociologie*. 53(2): 176-202.

2015 John McLevey. "Understanding Policy Research in Liminal Spaces: Think Tank Responses to Diverging Principles of Legitimacy." *Social Studies of Science*. 45(2): 270-293.

2014 John McLevey. "Think Tanks, Funding, and the Politics of Policy Knowledge in Canada." *Canadian Review of Sociology / Revue canadienne de sociologie*. 51(1): 54-75.

Chapters in Edited Volumes

(Student co-authors are *italicized*)

2023 *Pierson Browne*, *Tyler Crick*, and John McLevey. "Inferential Network Clustering with Hierarchical Bayesian Stochastic Blockmodels." In John McLevey, John Scott, and Peter J. Carrington (Eds). *The Sage Handbook of Social Network Analysis, Volume 2*. London, UK: Sage.

2023 *Pierson Browne*, *Adam Howe*, *Yasmin Koop-Monteiro*, *Yixi Yang*, and John McLevey. "Scientific Software for Network Analysis." In John McLevey, John Scott, and Peter J. Carrington (Eds). *The Sage Handbook of Social Network Analysis, Volume 2*. London, UK: Sage.

2023 John Scott, John McLevey, and Peter J. Carrington. "Introduction." In John McLevey, John Scott, and Peter J. Carrington (Eds). *The Sage Handbook of Social Network Analysis, Volume 2*. London, UK: Sage.

2023 John McLevey, Allyson Stokes, and *Amelia Howard*. "L'influence inégale de Bourdieu sur la sociologie canadienne anglophone (French translation of 'Pierre Bourdieu's Uneven Influence on Anglophone Canadian Sociology')." In Amín Pérez and Franck Poupeau (Eds). *Bourdieu dans les Amériques. Genèses et usage d'une internationale scientifique*. Aubervilliers, France: l'IHEAL.

2021 John McLevey and Tyler Crick. "Machine Learning and Neural Network Language Modelling for Sentiment Analysis." In Luke Sloan and Anabel Quan-Haase (Eds). *The Sage Handbook of Social Media Research*. London, UK: Sage.

2021 John McLevey, Pierson Browne, and Tyler Crick. "Reproducibility, Transparency, and Principled Data Processing." In Uwe Engel and Anabel Quan-Haase (Eds). *Handbook of Computational Social Science*. New York, US: Routledge.

2021 David Tindall, Mark Stoddart, John McLevey, Lorien Jasny, Dana R. Fisher, Jennifer Earl, and Mario Diani. "The Challenges and Opportunities of Ego-Network Analysis of Social Movements and Collective Action." In Mario Small, Brea Perry, Bernice Pescosolido, and Edward Smith (Eds). *Personal Networks: Classic Readings and New Directions in Ego-centric Analysis*. Cambridge: Cambridge University Press.

2018 John McLevey, Allyson Stokes, and *Amelia Howard*. "Pierre Bourdieu's Uneven Influence on Anglophone Canadian Sociology." In Thomas Medvetz and Jeff Sallaz (Eds). *The Oxford Handbook of Pierre Bourdieu*. Oxford: Oxford University Press.

2018 John McLevey and *Ryan Deschamps*. "The Sociology of Public Policy Formation and Implementation." In William Outhwaite and Stephen Turner (Eds). *The SAGE Handbook of Political Sociology*. London, UK: Sage.

Edited Special Issues

2023 David Tindall, Nina Kolleck, and John McLevey (Guest Journal Editors). "Social Networks and Anthropogenic Climate Change." Special issue of *Social Networks*.

2020 Mark Stoddart, John McLevey, Vanessa Schweizer, and Catherine Wong (Guest Journal Editors). "Climate Change and Energy Futures." Special issue of *Society & Natural Resources*.

Article Manuscripts in Progress

R&R Owen Gallupe, Noam Gidron, John McLevey, and Annika Hillebrandt. "Unpacking the crime-generating effect of exclusionary political rhetoric." Revise & Resubmit, *Criminology*.

In Progress John McLevey, Tyler Crick, Darrin Durant, and Karmvir Padda. "How Political Beliefs Form and Evolve in Interaction Networks: A Generative Stance Model." In Progress.

In Progress John McLevey. "A Generative Method for Constructing and Analyzing Belief Networks from Survey and Text Data." In Progress.

Book Manuscripts in Progress

In Progress John McLevey. "Reproducible Research and Generative Modelling for Social and Cognitive Scientists." In Progress.

Research & Policy Reports

2020 John McLevey, *Pierson Browne*, *Tyler Crick*, and Jillian Anderson. "Applied Computer Vision for Disinformation Research: An Analysis of Twitter's Elections Integrity Data on Russian and Chinese Information Operations." Prepared for the Crime & Security Research Institute, Cardiff University.

2020 John McLevey, *Pierson Browne*, and *Tyler Crick*. "Online Deception & Dynamic Narrative Networks." Prepared for the Crime & Security Research Institute, Cardiff University.

2020 Rob Gorbet, Janice Aurini, Jessica Risk, Allyson Stokes, John McLevey, and *Nicole Figueiredo*. "The COVID-19 Pandemic and Canadian Schooling." Prepared for Education Onward Council in consultation with Fair-Chance Learning.

2019 Janice Aurini, Rob Gorbet, John McLevey, Jessica Rizk, and Allyson Stokes (Alphabetical). "White Paper on Ed-Tech Connect: An Intersectoral Workshop on Education, Technology, and 21st Century Labour." Funded by SSHRC Connections Grant.

2017 Janice Aurini, John McLevey, Allyson Stokes, and Rob Gorbet. "Classroom Robotics and Acquisition of 21st Century Competencies: An Action Research Study of Nine Ontario School Boards." Prepared for the Council of Ontario Directors of Education (CODE) and the Ministry of Education, Ontario.

Reviews and Other Short Non-Refereed Publications

2021 John McLevey. "Probabilistic Topic Models." In Janice Aurini, Melanie Heath, and Stephanie Howells. 2021. *The How To of Qualitative Research*. London, UK: Sage.

2019 John McLevey. "Epistemic and Evidential Cultures." In Paul Atkinson, Sara Delamont, Richard Williams, and Alex Cernat (Eds). *Sage Research Methods Foundations Online*.

2019 John McLevey. "Review of David Johnson (2017) *A Fractured Profession: Commercialization and Conflict in Academic Science*." Baltimore: Johns Hopkins University Press. Review published in *American Journal of Sociology*. 125(1).

Research Grants

Overview of Research Grants Since 2013

	No. of Grants	Total CAD
As Principle Investigator	7	$559,007.00
As Co-Investigator	5	$571,179.00
As Collaborator	1	$154,406.00

2020–2025 **Disinformation, Democracy, and Online Political Deliberation**
$219,003 – *SSHRC Insight Grant*
John McLevey (Principal Investigator), Anabel Quan-Haase, David Tindall (Co-investigators), Darrin Durant, Deena Abul-Fottouh, Owen Gallupe, and Martin Innes (Collaborators).

2020–2021 **Disinformation, Democracy, and Online Political Deliberation**
$20,000 – *Digital Citizenship Initiative, Department of Canadian Heritage*
John McLevey (Principal Investigator), Anabel Quan-Haase, David Tindall (Co-investigators), Darrin Durant, Deena Abul-Fottouh, Owen Gallupe, and Martin Innes (Collaborators).

2020–2025 **Engaging Science with Philosophy: Best Practices for Fostering Effective Collaboration**
$154,406 – *SSHRC Insight Grant*
Kathryn S. Plaisance (Principal Investigator), Kevin Elliott, Michael O'Rourke, Lisbeth Berbary, and John McLevey (Collaborators).

2019 **An Intersectoral Workshop on Education, Technology, and 21st Century Labour**
$16,400 + matching funds – *SSHRC Connection Grant with Contributions from the University of Waterloo and the Balsillie School of International Affairs*
Janice Aurini (Principal Investigator), Allyson Stokes, John McLevey, Jessica Rizk, and Rob Gorbet (Co-investigators).

2018-2019 **Climate Change and Energy Futures Workshop: Challenges and Opportunities for Global and Interdisciplinary Research**
$24,373 + $14,399 in matching funds – *SSHRC Connection Grant with Contributions from the University of Waterloo and Memorial University*
Mark Stoddart (Principal Investigator), John McLevey, John Sandlos, Vanessa Schweizer, and Catherine Wong (Co-investigators).

2016–2022 **Making Sense of Climate Action: Understanding Social Mobilization to Curb Anthropogenic Climate Change Through Advances in Social Network Analysis**
$282,672 – *SSHRC Insight Grant*
David Tindall (Principal Investigator), John McLevey, Mark Stoddart (Co-investigators), Mario Diani, Jennifer Earl, Dana R Fisher, Philip Leifeld, Andrew Jorgenson, Philippe Le Billon, Don Grant, and Moses Boudourides (Collaborators).

2016–2020 **Information and Idea Diffusion in an Open Source Collaboration Network**

$150,000 – *Early Researcher Award (ERA), Ontario Ministry of Research & Innovation*
John McLevey (Principal Investigator).

2016–2018 **Remaking the Boundaries of Open and Proprietary Science: A Longitudinal Study of Biomedical Research and Development Networks in Canada**
$67,790 – *SSHRC Insight Development Grant*
John McLevey (Principal Investigator), Owen Gallupe, Martin Cooke (Collaborators).

2016–2918 **Increasing the Impact of Philosophy of Science in Scientific Domains**
$59,302 – *SSHRC Insight Development Grant*
Kathryn S. Plaisance (Principal Investigator), John McLevey (Co-investigators).

2015–2016 **Challenges and Opportunities for Governance of Socio-Ecological Systems in Comparative Perspective**
$8,400 – *BSIA Major Workshops Grant*
John McLevey (Principal Investigator), Vanessa Schweizer (Co-investigators).

2015–2020 **The Oil-Tourism Interface and Social-Ecological Change in the North Atlantic**
$188,432 – *SSHRC Insight Grant*
Mark Stoddart (Principal Investigator), John McLevey (Co-investigators).

2014–2016 **Collaborative Design in Online Networks**
$78,814 – *SSHRC Insight Development Grant*
John McLevey (Principal Investigator).

2013 **Faculty Research Startup Grant**
$15,000 – *University of Waterloo*
John McLevey (Principal Investigator).

Teaching Grants

2015–2016 **A Data-Driven and Interactive Approach to Enhancing Student Learning about Disciplinary and Interdisciplinary Knowledge Production**
$4,765.20 – *LITE Seed Grant, Centre for Teaching Excellence, University of Waterloo*
John McLevey (Principal Investigator).

Awards and Selected Scholarships

2017 **Outstanding Performance Award**
University of Waterloo

2010–2013 **Bombardier Canada Graduate Scholarship**
$105,000 – *SSHRC Doctoral Scholarship (Category A)*

2010–2011 **Ontario Graduate Scholarship**
$15,000 (declined) – *Province of Ontario*

2009–2013 **PhD Graduate Scholarship**
$52,000 (declined) – *McMaster University*

2009–2010 **Ontario Graduate Fellowship**
$12,000 + $3,000 Sociology Department Top Up – *McMaster University*

2009 **University Gold Medal for Excellence in Sociology**
Memorial University

Policy Research Contracts

2020 **Applied Computer Vision and Ensemble Machine Learning for Disinformation Research**
John McLevey. Project for the Crime & Security Research Institute, Cardiff University.

2020 **Automated Detection of 'Bursty' Concepts, Claims, and Narratives in Social Media Data**
John McLevey. Project for the Crime & Security Research Institute, Cardiff University.

2016–2017 **Assessing the Impact of Classroom-Integrated Robotics on the Cultivation of 21st Century Competencies**
Janice Aurini, John McLevey, and Rob Gorbet. Contract with Council of Ontario Directors of Education (CODE) for the Ontario Ministry of Education.

(Selected) Scientific Software, Designed and Developed

`dcss` `dcss` is a Python package accompanying John McLevey (2022) *Doing Computational Social Science*. It includes curated datasets and a large collection of utility functions for data processing and working with statistical and machine learning models. It is designed, developed, and maintained by John McLevey, Tyler Crick, Pierson Browne.
License: GNU General Public License 2

`mk` `metaknowledge` (or `mk`) is a Python package for quantitative and social networks research in the sociology of science and information science. First released in 2015. Under active development. Website and documentation: http://networkslab.org/metaknowledge/. It is designed, developed, and maintained by Reid McIlroy-Young and John McLevey.
License: GNU General Public License 2

`Nate` `Nate` (**n**etwork **a**nalysis with **te**xt) is a Python package for network-based text analysis. It is designed, developed, and maintained by John McLevey, Pierson Browne, and Tyler Crick.
License: MIT License

`pdpp` `pdpp` is a Python package for principled data processing with Python. It was first released in 2015 and is under active development. It is designed, developed, and maintained by Pierson Browne, Tyler Crick, Rachel Wood, and John McLevey.
License: MIT License

`simkit` `simkit` is a Python package for probabilistic and agent-based computational models of opinion dynamics, diffusion, learning, and influence. It is currently in beta and under active development. It is designed, developed, and maintained by John McLevey.
License: MIT License

`tidyext` `tidyextractors` is a Python package for extracting quantitative datasets from source code repositories, email mbox files, and social media APIs. It is designed, developed, and maintained by Joel Becker (NETLAB).
License: MIT License

`gitnet` `gitnet` is a Python package for mining source code repository and mailing list data and generating network datasets. First released in 2016. `gitnet` is still publicly available and functional, but development and maintenance efforts have shifted to other Python packages.

It is designed, developed, and maintained by Joel Becker, Jillian Anderson, Steve McColl, and John McLevey.
License: MIT License

Other Contributions to Scientific Software

`recordlink` Contributions to Jonathan de Bruin's Python package `recordlinkage`: A Python package for linking records across multiple data sources when there is no unique ID available. NetLab contributions were focused on implementing new comparison and fusion algorithms for my research on the structure and evolution of cross-sectoral collaboration networks in science and technology. Most NetLab contributions to `recordlinkage` were implemented by Joel Becker (RA) and occasionally Jillian Anderson (RA), and then submitted to Jonathan de Bruin as pull requests.

Conference Presentations

2022-07 John McLevey. "Political Polarization and Probabilistic Belief Network Analysis" *Sunbelt, Annual meetings of the International Network for Social Network Analysis*. Melbourne, Australia.

2019-10 John McLevey. "Disinformation, Democracy, and Influence in Online Political Discussion Networks." *Disinformation Symposium, hosted by the Cardiff University Crime & Security Research Institute*. Hensol Castle, Vale of Glamorgan, Wales UK.

2019-07 John McLevey. "What do open online communities of specialists need tacit knowledge for anyway?" *SEESHOP*. Helsinki, Finland.

2019-06 John McLevey, *Alexander Graham*, *Tyler Crick*, and *Pierson Browne*. "Measuring Social and Cognitive Distance in Collaboration Networks Constructed From Observational Data." *Sunbelt, Annual meetings of the International Network for Social Network Analysis (Session: Advances in Socio-Semantic Network Analysis)*. Montréal, QC, Canada.

2019-06 Janice Aurini, Allyson Stokes, Jessica Rizk, John McLevey, and Rob Gorbet. "How Do Educational Innovations Diffuse and Persist?" *Sunbelt, Annual meetings of the International Network for Social Network Analysis (Session: Networked Innovation)*. Montréal, QC, Canada.

2019-06 *Pierson Browne*, *Tyler Crick*, *Alexander Graham*, and John McLevey. "Cognitive Diversity and the Production of High Impact Science" *Sunbelt, Annual meetings of the International Network for Social Network Analysis (Session: Networked Innovation)*. Montréal, QC, Canada.

2019-06 Janice Aurini, Allyson Stokes, Jessica Rizk, John McLevey, and Rob Gorbet. "How Do Educational Innovations Diffuse and Persist?" *Canadian Sociological Association Meetings (Session: Sociology of Education)*. University of British Columbia, Vancouver BC, Canada.

2019-04 John McLevey. "Measuring Belief Homophily and Cognitive Similarity in Social and Political Networks to Advance the Advocacy Coalition Framework (and Other Policy Theories)." *Climate Change and Social Networks Workshop*. Freie Universität Berlin, Berlin, Germany.

2019-10 Mark Stoddart, Alice Mattoni, and John McLevey. "Industrial Development and Eco-Tourisms: Is Co-existence Possible between Oil Exploration and Nature Conservation." *Department of Geography Blue Box Seminar Series*. Memorial University, St. John's, Newfoundland and Labrador.

2018-10 Mark Stoddart, Alice Mattoni, and John McLevey. "Climate Change and Contact Points between Offshore Oil and Nature-based Tourism in Northern Coastal Societies." *Arctic Circle Assembly*. Reykjavik, Iceland.

2018-06 John McLevey, *Alexander Graham*, and *Pierson Browne*. "Remaking the boundaries of open and proprietary science: A multiple networks analysis of patenting and publishing in biomedical science" *Sunbelt, Annual meetings of the International Network for Social Network Analysis*. Utrecht, Netherlands.

2018-06 *Alexander V. Graham*, *Pierson Browne*, *Jeffery M. Barrett*, and John McLevey. "RankDir: A New ERGM Term for Improving Goodness of Fit in Exponential Random Graph Models of Directed Acyclic Graphs." *Sunbelt, Annual meetings of the International Network for Social Network Analysis*. Utrecht, Netherlands.

2018-04 John McLevey and *Alexander V. Graham*. "Smart Collaboration & Boundary Spanning for High Impact Climate Science" *3rd Spring Campus, University Alliance for Sustainability*. Freie Universität Berlin. Berlin, Germany.

2017-08 John McLevey. "Environmental crises, policy, and scientific change: Insights from a computational model." *American Sociological Association (ASA) annual meeting*. Montréal, QC, Canada.

2017-06 John McLevey and Reid McIlroy-Young. "`metaknowledge`: open source software for networks research on science." *Sunbelt, Annual meetings of the International Network for Social Network Analysis*. Beijing, China.

2017-05 John McLevey. "Panelist, Assessing Pierre Bourdieu's Legacy" *Panel organized by the joint culture/theory research cluster at the Canadian Sociological Association (CSA) annual meeting*. Ryerson University. Toronto, ON, Canada.

2017-05 John McLevey, Mark Stoddart, and Yixi Yang. "The Oil-Tourism Interface in International Media: A Systematic Comparison of Norway, Scotland, and Newfoundland and Labrador." *Canadian Sociological Association annual meeting*. Ryerson University. Toronto, ON, Canada..

2017-05 John McLevey. "How do face-to-face and virtual networks shape the development of specialist expertise?" *SEESHOP*. Geneva, Switzerland.

2016-08 Vanina Leschziner, John McLevey, and Neil McLaughlin. "The American Fame Game: Academic Status and Public Renown in Post-War Social Sciences." *Annual Meetings of the American Sociological Association (ASA), Section on Science, Knowledge, and Technology Session*. Seattle, WA, USA.

2016-05 John McLevey. "Expertise and Experience in Dynamic Social Networks: Developing A Coevolution Model for SEE." *SEESHOP*. Cardiff, Wales, UK.

2016-04 John McLevey, Katie Plaisance, Reid McIlroy-Young, and Alexander Graham. "Is there a citation penalty for scientifically relevant philosophy of science?" *Sunbelt, annual meetings of the International Network for Social Network Analysis*. Newport Beach, CA.

2015-11 Owen Gallupe, Sarah Brown, and John McLevey. "Selection or Influence? A Meta-Analysis of the Association between Peer and Personal Offending" *Annual Meetings of the American Society of Criminology*. Washington, DC, USA.

2015-08 John McLevey. "Conflict and Cooperation in Large Collaboration Networks: An Analysis of Linux Kernel Development." *Annual Meetings of the American Sociological Association (ASA), Sociology of Technology session*. Chicago, IL.

2015-06 John McLevey. "Conflict and Cooperation in Large Collaboration Networks: An Analysis of Linux Kernel Development" *Sunbelt, annual meetings of the International Network for Social Network Analysis*. Brighton, UK.

2015-05 John McLevey. "Conflict and Cooperation in Large Collaboration Networks: An Analysis of Linux Kernel Development." *Annual Meetings of the Canadian Sociological Association (CSA), Session: Innovation in Social Research: New Data, New Questions, New Analytics*. Ottawa, ON, Canada.

2015-05 John McLevey, Amelia Howard, Alexander Graham, and Tiffany Lin. "Expertise, Stratification, and the Uncertain Democracy of Large Free / Open Source Developer Communities." *SEESHOP*. Cardiff, Wales, UK.

2014-08 John McLevey. "Think Tanks in the Space of Opinion: Tactics for Creating Uncertainty about the Scientific Consensus on Climate Change." *Presented at the Annual Meetings of the American Sociological Association (ASA)*. San Francisco, CA, USA.

2014-06 John McLevey. "Struggling Over Climate Expertise: 'Consensus' and 'Skepticism' in the Space of Opinion." *SEESHOP / Communities of Integration*. Waterloo, ON, Canada.

2014-05 Allyson Stokes and John McLevey. "The Invisible Colleges of Sociology in Canada: A Network Analysis, 1995-2014" *Annual meetings of the Canadian Sociology Association (CSA)*. Brock University, St. Catharines, ON, Canada.

2014-04 John McLevey. "Funding, Fame, and Politics in the Think Tank World." *The Science Policy Interface: International Comparisons*. Balsillie School of International Affairs, Waterloo, ON, Canada.

2014-04 Vanina Leschziner, Neil McLaughlin, and John McLevey. "The American Fame Game: Public Renown and Academic Status in the Social Sciences." *Public Intellectuals and Power*. Harvard University, Cambridge, MA, USA.

2014-08 John McLevey. "Think Tanks in the Space of Opinion: Tactics for Creating Uncertainty about the Scientific Consensus on Climate Change." *Annual Meetings of the American Sociological Association (ASA)*. San Francisco, CA, USA.

2013-10 John McLevey. "Comments on papers in the session 'Chastened Dreams and New Departures: American Scientific Culture(s) in Ferment from the 1960s to 1980s'" *Canadian Association of American Studies (CAAS), Total Money Makeover: Culture and the Economization of Everything*. Waterloo, ON, Canada.

2013-08 John McLevey. "How do Think Tanks Produce and Promote Policy Ideas?" *Annual Meetings of the American Sociological Association (ASA), Section: Sociology of Knowledge, Session: Knowledge and the State*. New York, New York, US.

2013-06 John McLevey. "Think Tanks on Climate Change: Moral Views, Scientific Credibility, and Political Contexts" *Annual meetings of the Canadian Sociology Association (CSA), Session: The Sociology of Climate Change*. University of Victoria, Victoria, BC, Canada.

2013-06 Vanina Leschziner, Neil McLaughlin, and John McLevey. "The American Fame Game: Academic Status and Public Renown in the Social Sciences." *Annual meetings of the Canadian Sociology Association (CSA), Session: The Role of Public Intellectualism in Academe*. University of Victoria, Victoria, BC, Canada.

2012-05 John McLevey. "Epistemic Cultures in the Production of Policy Expertise" *Qualitative Analysis Conference*. Memorial University, St John's, NL, Canada.

2012-05 John McLevey. "Translation Work and the Marketing of Policy Expertise: Leads from Research on Canadian Think Tanks." *Annual meetings of the Canadian Sociology Association (CSA), Session: Sociology of Science*. University of Waterloo and Wilfrid Laurier University, Waterloo, ON, Canada.

2011-08 John McLevey. "Rhythms and Reason Giving: Understanding Academic Involvement in Canadian Think Tanks." *Annual meetings of the American Sociology Association (ASA)*. Las

Vegas, NV, USA.

2011-04 John McLevey. "Rhythms and Reason Giving: Understanding Academic Involvement in Canadian Think Tanks." *Invited Participant, NYLON workshop on "Cultures of Circulation"*. Ottawa, ON, Canada.

2011-02 John McLevey. "Rhythms and Reason Giving: Understanding Academic Involvement in Canadian Think Tanks." *Annual meetings of the Eastern Sociology Society (ESS), Session: Constructing Workplaces and Professional Domains*. Philadelphia, PA, US..

2010-05 John McLevey. "How and Why Do Academics Get Involved with Think Tanks?" *Qualitative Analysis Conference*. Wilfrid Laurier University, Brantford, ON, Canada.

2010-06 John McLevey. "Contesting Education: A Comparative Frame Analysis of Opinion Pieces by The Fraser Institute and The Canadian Centre for Policy Alternatives." *Annual meetings of the Canadian Sociology Association (CSA)*. Concordia University, Montreal QC, Canada.

2010-06 Lisa Kowalchuk, Neil McLaughlin, John McLevey. "Public Intellectual Work: Uses of the Canadian Op-Ed Column" *Annual meetings of the Canadian Sociology Association (CSA)*. Concordia University, Montreal QC, Canada.

2010-05 John McLevey. "Contesting Education: A Comparative Frame Analysis of Opinion Pieces by The Fraser Institute and The Canadian Centre for Policy Alternatives." *Annual Qualitative Analysis Conference*. Wilfrid Laurier University, Brantford, ON, Canada.

2009-05 John McLevey. "Understanding Marginality, Ambiguous Outcomes, and Failure in Social Movements Research and the Sociology of Ideas." *Annual meetings of the Canadian Sociology Association (CSA)*. Carleton University, Ottawa ON, Canada.

Invited Talks

2022-03 John McLevey. "Do liberals drink lattes across the multiverse? Cultural learning, social influence, and mass opinion polarization." *Knowledge Integration Seminar Series*. University of Waterloo, Waterloo, ON, Canada.

2022-01 John McLevey. "Reproducibility and Principled Data Processing for Computational Science." *Toronto Data Workshop on Reproducibility*. Department of Statistical Sciences, University of Toronto, Toronto, ON, Canada.

2021-11 John McLevey. "Modelling Meaning: Recent Advances in Computational Text Analysis and Why They Matter for Sociology." *Department of Sociology Speaker Series*. Memorial University, St. John's, NL, Canada.

2019-12 John McLevey. "Democracies in Crisis? Online Deception, Disinformation, and Political Polarization." *Science and Technology Studies Seminar Series*. York University, Toronto, ON, Canada.

2017-11 John McLevey. "Gender discrimination in open source software development: findings from a large-scale audit study." *Guest speaker in course "Gender Equity"*. University of Waterloo, Waterloo, ON, Canada.

2017-11 John McLevey. "A Primer on Computational Sociology." *Guest speaker in Sociology Theory grad seminar, Department of Sociology & Legal Studies*. University of Waterloo, Waterloo, ON, Canada.

2017-05 John McLevey. "Panelist on SSHRC's new data management policies: what do they mean for your knowledge making practices?" *Annual meetings of the Canadian Sociological Asso-*

ciation (CSA). Ryerson University, Toronto, ON, Canada.

2016-03 John McLevey. "Network Structure and the 'Chain of Trust' in Linux Development: Lessons for Working with Data Scraped from the Web." *Guest speaker in Research Methods class, Department of Sociology*. Wilfrid Laurier University, Waterloo, ON, Canada.

2016-10 John McLevey. "Open Science and the Uncertain Future of University-Industry Partnerships in Biomedical Research and Development." *Environment Seminar Series: Open Data, Open Science. Faculty of Environment*. University of Waterloo, Waterloo, ON, Canada.

2016-03 John McLevey and Patrick Famaran (UG student). "Using Technology to Facilitate Collaboration" *Centre for Teaching Excellence Educational Technology Week*. University of Waterloo, Waterloo, ON, Canada.

2016-03 John McLevey. "Enhancing Student Learning by Bringing Data into the Classroom." *GREEN TEA speaker series, Faculty of Environment*. University of Waterloo, Waterloo, ON, Canada.

2014-12 John McLevey. "Collaborating On-Line: An Analysis of Communication Networks for Linux Kernel Developers." *Waterloo Institute for Complexity and Innovation (WICI) Speaker Series*. University of Waterloo, Waterloo, ON, Canada.

2014 John McLevey. "Where do good ideas come from? A social network perspective on creativity and innovation." *Waterloo Unlimited*. .

2013-09 John McLevey. "Think Tanks, Funding, and Politics of Policy Knowledge." *Knowledge Integration Seminar Series, Faculty of Environment*. University of Waterloo, Waterloo, ON, Canada.

Teaching

Assigned Courses

Winter 2024 FCIT 607 – *Data, Methods, and Models for Future Cities*
Seminar, (N) Students

Winter 2024 INTEG 440 – *Computational Social Science*
Seminar, (N) Students

Fall 2023 INTEG 120 – *The Art and Science of Learning*
Lecture, (47) Students

Fall 2022 INTEG 120 – *The Art and Science of Learning*
Lecture, 91 Students

Winter 2022 INTEG 240 – *Bullshit, Bias, and Bad Arguments*
Lecture, 77 Students

Fall 2021 INTEG 440 – *Computational Social Science*
Seminar, 21 Students

Fall 2021 INTEG 120 – *The Art and Science of Learning*
Lecture, 73 Students

Fall 2021 INTEG 640 / SOC 712 – *Computational Social Science*
Seminar, 20 Students

Spring 2021 INTEG 640 / SOC 712 – *Computational Social Science*
Seminar, 14 Students

Winter 2021 INTEG 440 / SOC 440 – *Computational Social Science*
Seminar, 25 Students

Winter 2021 INTEG 240 / SOC 230 – *Bullshit, Bias, and Bad Arguments*
Lecture, 39 Students

Fall 2020 INTEG 340 – *Research Methods and Design*
Lecture, 20 Students

Fall 2020 INTEG 120 – *The Art and Science of Learning*
Lecture, 87 Students

Winter 2020 INTEG 420 (B) – *Senior Honours Project (B)*
Project, 20 Students

Winter 2020 INTEG 440 / 640 – *Computational Social Science*
Seminar, 19 Students

Fall 2019 INTEG 340 – *Research Methods and Design*
Seminar, 20 Students

Fall 2019 INTEG 120 – *The Art and Science of Learning*
Lecture, 89 Students

Winter 2019 INTEG 420 (B) – *Senior Honours Project*
Project, 20 Students

Winter 2019 INTEG 440 / 640 – *Computational Social Science*
Seminar, 21 Students

Fall 2018 INTEG 420 (A) – *Senior Honours Project (A)*
Project, 27 Students

Fall 2018 INTEG 340 – *Research Methods and Design*
Lecture, 18 Students

Fall 2018 INTEG 120 – *The Art and Science of Learning*
Lecture, 53 Students

Winter 2018 INTEG 420 (B) – *Senior Honours Project (B)*
Project, 27 Students

Winter 2018 INTEG 340 – *Research Methods and Design*
Seminar, 19 Students

Winter 2018 INTEG 475 – *Big Data and Society*
Seminar, 30 Students

Fall 2017 INTEG 420 (A) – *Senior Honours Project (A)*
Project, 28 Students

Winter 2017 INTEG 120 – *The Art and Science of Learning*
Lecture, 47 Students

Fall 2016 INTEG 375 – *Research Methods and Design*
Seminar, 17 Students

Fall 2016 INTEG 120 – *Disciplines and Integrative Practices*
Lecture, 49 Students

Winter 2016 INTEG 375 – *Data Visualization*
Seminar, 12 Students

Winter 2016 INTEG 275 – *Research Methods and Design*

Lecture, 16 Students

Fall 2015 INTEG 475 – *Open Science*
Seminar, 11 Students

Fall 2015 INTEG 120 – *Disciplines and Integrative Practices*
Lecture, 43 Students

Winter 2015 INTEG 275 – *Creativity and Innovation*
Lecture, 26 Students

Winter 2015 INTEG 375 / SOC 312 – *Science and Technology in Society*
Seminar, 20 Students

Fall 2014 INTEG 120 – *Disciplines and Integrative Practices*
Lecture, 46 Students

Winter 2014 INTEG 375 / SOC 312 – *Science and Technology in Society*
Seminar, 15 Students

Fall 2013 INTEG 120 – *Disciplines and Integrative Practices*
Lecture, 55 Students

Reading Courses (Not Assigned)

Spring 2022 *Political Cognition and Polarization*
Graduate

Winter 2020 *Network Science*
Graduate

Fall 2020 *Political Disinformation and Influence Operations*
Undergraduate

Spring 2018 *Reproducibility and Replication in the Sciences*
Undergraduate

Spring 2018 *Social Network Analysis with Python*
Graduate

Winter 2016 *Exploratory Data Analysis and Visualization*
Graduate

Winter 2014 *Organizational Theory*
Undergraduate

Spring 2014 *Democracy, Science, and the Politics of Expertise*
Undergraduate

Spring 2014 *Sociology of Science*
Undergraduate

Spring 2014 *Social Network Analysis with R*
Undergraduate

Spring 2014 *Data Visualization*
Undergraduate

Spring 2014 *Organizational Theory*
Undergraduate

Spring 2014 *Sociology of Organizations: Case Studies*
Undergraduate

Spring 2014 *Sociology of Organizations*
Undergraduate

Spring 2014 *Applied Network Science*
Undergraduate

Student Supervision

Overview of Student Supervision and Committee Membership Since 2013

	Total	Complete	In Progress
Undergraduate Theses	12	12	0
Masters Theses	9	8	1
PhD Dissertations	20	10	10

PhD Student Supervision and Dissertation Committee Membership

In Progress *Karmvir Padda – ABD* (Sociology & Legal Studies)
John McLevey (Supervisor) + Owen Gallupe and Veronica Kitchen
Expected defence in 2025

In Progress *Tyler Crick – ABD* (Sociology & Legal Studies)
John McLevey (Supervisor) + Owen Gallupe and Peter Carrington
Expected defence in 2024

In Progress *Alexander (Sasha) Graham – ABD* (Sociology & Legal Studies)
John McLevey (Supervisor) + Owen Gallupe and Peter Carrington
Expected defence in 2024

In Progress *Jessica Gill – ABD* (Sociology & Legal Studies)
Rashmee Singh (Supervisor) + Andrea Quinlan and John McLevey
Expected defence in 2025

In Progress *Geisha Sanchez – ABD* (Geography & Environmental Management)
Sarah Burch (Supervisor) + Olaf Weber and John McLevey
Expected defence in 2024

In Progress *Emerson LaCroix – ABD* (Sociology & Legal Studies)
Janice Aurini (Supervisor) + John McLevey and Stephanie Howells
Expected defence in 2024

In Progress *Mark Shakespear* (Sociology, University of British Columbia)
David Tindall (Supervisor) + K Harrison, A Jorgenson, M Stoddart, and J McLevey

In Progress *Yasmin Koop-Monteiro – ABD* (Sociology, University of British Columbia)
David Tindall (Supervisor) + Mark Stoddart and John McLevey

In Progress *Yixi Yang – ABD* (Sociology, Memorial University)
Mark Stoddart (Supervisor) + John McLevey and David Tindall

In Progress *Keegan Aaron Fernandes* (Electrical and Computer Engineering)
Dan Davison (Supervisor) + David Wang, Rob Gorbet, and John McLevey

2023 *Pierson Browne* (Sociology & Legal Studies)
John McLevey (Supervisor) + Owen Gallupe and Peter Carrington

2023 *Peter Duggins* (Systems Design Engineering)
Chris Eliasmith (Supervisor) + Bryan Tripp, Kerstin Dautenhahn, and John McLevey

2022 *Adam Howe* (Sociology, University of British Columbia)
David Tindall (Supervisor) + Catherine Corrigall-Brown, Rima Wilkes, and John McLevey
Defended 2022-03

2022 *François Lapachelle* (Sociology, University of British Columbia)
Beth Hirsh (Supervisor) + David Tindall and John McLevey
Defended 2022-02

2022 *Julie Cooke* (School of Environment, Enterprise, and Development)
Jennifer Lynes (Supervisor) + Steve Quilley and John McLevey
Defended 2022-08

2020 *Rod Missaghian* (Sociology & Legal Studies)
Janice Aurini (Supervisor) + Linda Quirke and John McLevey
Defended 2020-10

2019 *Brittany Etmanski* (Sociology and Legal Studies)
Janice Aurini (Supervisor) + Owen Gallupe and John McLevey
Defended 2019-09

2019 *Moutasem Zakkar* (Applied Health Sciences)
Craig Janes, Samantha Meyer (Supervisor) + Plinio Morita, Daniel Lizotte, John McLevey
Defended 2019-11

2018 *Noorin Manji* (Sociology & Legal Studies)
Lorne Dawson (Supervisor) + Janice Aurini and John McLevey
Defended 2018-08

2016 *Michael Clarke* (Sociology & Legal Studies)
Kieran Bonner (Supervisor) + David Goodwin and John McLevey
Defended 2016-06

Master of Arts (MA) and Master of Science (MSc) Student Theses

In Progress *Nermeen Zia Islam* (Balsillie School of International Affairs)
Advisory Role: Supervisor

2022 *Svetlana Kopan* (Sociology and Legal Studies)
Advisory Role: Committee Member

2018 *Nicholas Brendan, MD* (School of Public Health Sciences)
Advisory Role: Reader

2018 *Sarah Tang* (School of Environment, Enterprise, and Development)
Advisory Role: Committee Member

2018 *Emerson LaCroix* (Sociology and Legal Studies)
Advisory Role: Committee Member

2017 *Alexander V. Graham* (Sociology and Legal Studies)
Advisory Role: Supervisor

2017 *Junyi (Jill) Wang* (Geography and Environmental Management)

Advisory Role: Reader

2017 *Stuart Anderson* (Anthropology)
Advisory Role: Reader

2016 *Chen Chen* (Geography and Environmental Management)
Advisory Role: Reader

Supervised Undergraduate Honours Theses & Design Projects

2019-2020 *Harrison Lobb* (Knowledge Integration). "Rogan to Spencer: Using Discourse Analysis to Diagnose Pathways of Radicalization From the Mainstream to the Reactionary Right"

2019-2020 *Jessica Clark* (Knowledge Integration). "Degree Planning Website for University of Waterloo Students"

2019-2020 *Aidan Power* (Knowledge Integration). "An Analysis of Integrating Ethics Into Computer Science Curricula: Implications for the Cheriton School of Computer Science"

2018-2019 *Jessilyn Wolfe* (Knowledge Integration). "Escaping the Office: Developing Escape Room Experiences to Improve Corporate Small Group Teambuilding"

2018-2019 *Jason Kurian* (Knowledge Integration). "Pocket Blues"

2017-2018 *Rachel Wood* (Knowledge Integration). "Designing and developing `mkd3`, software for learning about academic literature"

2016-2017 *Jillian Anderson* (Knowledge Integration). "`cydr`: An R Package for Cleaning Agricultural Yield Data"

2015-2016 *Julia Yaroshinsky* (Sociology & Legal Studies). "Top Contributors of the Linux Kernel: Similarities and Differences"

2014-2015 *Tiffany Lin* (Knowledge Integration). "Framing Controversial Internet Technologies: An Exploratory Network Analysis of TOR"

2014-2015 *Ben Carr* (Knowledge Integration). "Paradigms, Learning, and Change in Organizations"

2013-2014 *Christina Minji Chung* (Sociology & Legal Studies). "Organizational Dynamics of Tech Startups in the Kitchener-Waterloo Region"

2013-2014 *Chelsea Mills* (Knowledge Integration). "Keep the Ideas Coming: How startups encourage creativity and what other organizations can learn from their example"

Highly Qualified Personnel (HQP) Training (Research Positions)

2023 **Graduate HQP**
Karmvir Padda (1 semester), Tyler Crick (3 semesters), Pierson Browne (3 semesters), Alexander Graham (3 semesters)

2022 **Graduate HQP**
Tyler Crick (3 semesters), Pierson Browne (3 semesters), Alexander Graham (3 semesters)

2021 **Graduate HQP**
Tyler Crick (3 semesters), Pierson Browne (3 semesters), Alexander Graham (3 semesters)

2020 **Graduate HQP**
Tyler Crick (3 semesters), Pierson Browne (3 semesters), Alexander Graham (3 semesters)
Undergraduate HQP

Alex de Witt (3 semesters), Alexis Foss Hill (3 semesters), Harrison Lobb (1 semester)

2019 **Graduate HQP**
Tyler Crick (3 semesters), Pierson Browne (3 semesters), Alexander Graham (3 semesters)
Undergraduate HQP
Alex de Witt (1 semester), Alexis Foss Hill (1 semester), Jason Kurian (1 semester)

2018 **Graduate HQP**
Tyler Crick (3 semesters), Pierson Browne (3 semesters), Alexander Graham (3 semesters), Yixi Yang (3 semesters), Brittany Etmanski (1 semester), Janet Michaud (1 semester)
Undergraduate HQP
Mumtahin Monzoor (1 semester), Rachel Wood (2 semesters)

2017 **Graduate HQP**
Tyler Crick (3 semesters), Pierson Browne (3 semesters), Alexander Graham (3 semesters), Yixi Yang (3 semesters), Cathlene Hillier (2 semesters), Janet Michaud (1 semester)
Undergraduate HQP
Mumtahin Monzoor (1 semester), Jillian Anderson (2 semesters), Joel Becker (2 semesters), Steve McColl (2 semesters)

2016 **Graduate HQP**
Brittany Etmanski (3 semesters), Pierson Browne (3 semesters), Yixi Yang (3 semesters), Cathlene Hillier (3 semesters), Amelia Howard (2 semesters), Alexander Graham (3 semesters)
Undergraduate HQP
Tahnee Prior (2 semesters), Jillian Anderson (2 semesters), Steve McColl (2 semesters), Joel Becker (2 semesters), Reid McIlroy-Young (3 semesters)

2015 **Graduate HQP**
Amelia Howard (1 semester), Tahnee Prior (1 semester)
Undergraduate HQP
Alexander Graham (3 semesters), Tiffany Lin (1 semester), Reid McIlroy-Young (2 semesters)

2014 **Graduate HQP**
Janet Michaud (1 semester), Amelia Howard (3 semesters), Benjamin Nelson (1 semester)
Undergraduate HQP
Tiffany Lin (1 semester), Evaleen Hellinga (2 semesters), Alexander V. Graham (3 semesters), 46 KI students (1 day)

2013 **Graduate HQP**
Skaidra Puodziunas (1 semester), Alexander V. Graham (1 semester), Evaleen Hellinga (1 semester)

Other Highly Qualified Personnel (HQP) Training (Workshops, Short Courses)

2024 Instructor for *Introduction to Computational Social Science with Python* (5 days), GESIS Fall Seminar in Computational Social Science, Leibniz Institute for the Social Sciences, Cologne Germany. Course materials co-designed with Johannes Gruber (University of Amsterdam), who teaches the R course.

2018-Present Co-Instructor (with Eric Kennedy) for *Science Outside the Lab (SOtL) North*: a week long intensive course in science policy held annually in Ottawa and Montréal or Vancouver and Victoria. Each course cohort is ~ 14 graduate students from science and engineering disciplines across Canada.

2020 Research Methods Workshop (5 days), GESIS Spring Seminar, Leibniz Institute for the Social Sciences, Cologne Germany. *Working with Digital Behavioural Data.* Co-designed and

instructed with Jillian Anderson.

2019 Research Methods Workshop (1 day), Transylvania Summer School in Research Methods. *Using Network Analysis to (Partially) Automate Literature Reviews*

2019 Research Methods Workshop (2 days) instructed at University of British Columbia, Department of Sociology. *Introduction to Big Data and Automated Text Analysis for Social Scientists*

2019 Research Methods Workshop (2 days) instructed at University of Waterloo. *(Partially) Automating Literature Reviews for Knowledge Synthesis and Discovery*

2019 Research Methods Workshop (2 days) instructed at University of Waterloo. *How to Analyze Networks with R*

2019 Research Methods Workshop (1 day) instructed at University of Waterloo. *Automated Content Analysis for Social Scientists*

Service – To the Profession

2019-2023 Co-organizer (with Rochelle Côté) and liaison with the Canadian Sociological Association for the Social Networks Research Cluster.

2016-2019 Communications Officer, Executive Council Member, Canadian Sociological Association.

2019 Member of the Scientific Committee for Sunbelt XXXIX Conference in Montréal, International Network for Social Network Analysis (INSNA).

2014-2019 Organizer and liaison with the Canadian Sociological Association for the Sociology of Science, Technology, and Knowledge Research Cluster.

Peer Reviewing - Academic Journals

- *Nature Communications*
- *American Journal of Sociology*
- *American Sociological Review*
- *Social Networks*
- *Canadian Review of Sociology*
- *Science and Public Policy*
- *Scientometrics*
- *Sociological Theory*
- *Social Studies of Science*
- *Canadian Journal of Sociology*
- *Methodological Innovations*
- *Acta Sociologica*
- *Society & Natural Resources*

Peer Reviewing - Books

- 1 book manuscript for Sage, UK. Quantitative research methods series.
- 1 book manuscript for Sage, UK. Quantitative research methods series.

Peer Reviewing / Evaluation - Grants

2022 Peer Reviewer for the 2022 SSHRC Insight Grant Awards Competition (Multi-disciplinary).

2019 Peer Reviewer for the 2019 SSHRC Insight Grant Awards Competition (Multi-disciplinary).

2018 Evaluator for 2017 SSHRC Insight Development Grants Competition.

2017 Observer for the 2018 SSHRC Postdoctoral Awards Competition.

Peer Reviewing - Other

2020 Chapter for Luke Sloan and Anabel Quan-Haase (eds). *The SAGE Handbook for Social Media Research Methods*, 2nd edition. London: Sage.

2020 Sage Campus Course. (Online research design classes)

2018 Sage Campus Course. (Online research design classes)

Conference Sessions Organized

2024 Sessions on *Network Approaches to Attitudes and Beliefs* at the 2024 Sunbelt meetings in Edinburgh, Scotland. Co-organized with Claudia Zucca, Mario Diani, and Lorien Jasny.

2022 Sessions on *Social Networks and Climate Change* at the 2022 Sunbelt meetings in Melbourne, Australia. Co-organized with David Tindall and Mark Stoddart.

2020 Sessions on *Disinformation*, *Computational Methods*, *Climate Change*, and *Social Movements* at the 2020 Sunbelt meetings in Paris, France (held remotely).

2019 *Social Networks and Sociology* panel (with Dr. Rochelle Côté), CSA.

2019 Sessions for *Social Networks* Research Cluster, CSA.

2019 Sessions for *Sociology of Science, Technology, and Knowledge* Research Cluster, CSA.

2017 *Practical Advice on Communicating Sociological Research* panel, CSA.

2017 *Sociology of Science and Knowledge*, CSA.

2016 *Sociology of Science and Knowledge*, CSA.

2015 *Political Sociology of Science*, CSA.

2015 *Sociology of Science*, CSA.

2014 *Sociology of Technology*, CSA.

2014 *Sociology of Culture* (with Dr. Allyson Stokes), CSA.

Service – University of Waterloo

2022-2023 Knowledge Integration Department Chair Search and Selection Committee

2023-Present Associate Chair (Undergraduate), Department of Knowledge Integration. (*Vanessa Schweizer is interim Associate Chair while I am on parental leave.*)

2022 (07-12) Associate Chair (Undergraduate), Department of Knowledge Integration.

2021-2022 Member of the Administrative Committee, Faculty of Environment.

2021-2022 Chair of the Environment Faculty Council, Faculty of Environment.

2019-Present Liaison between the Faculty of Environment and the Cybersecurity and Privacy Institute,

University of Waterloo.

2020-2022 Faculty Association University of Waterloo (FAUW), Member of Council of Representatives, Department of Knowledge Integration.

2019 Committee member, Tenure and Promotions Committee, Department of Knowledge Integration.

2018 Search and selection committee member for two Canada Research Chairs in Environment and Sustainability, Faculty of Environment.

2018 Panelist on the SSHRC Insight Development Grants Panel, organized by Ruth Knechtel from the University of Waterloo Office of Research.

2017-2018 Committee member for university-level 'Research excellence and crossing disciplinary lines' committee, which developed a white paper to inform the development of the next University of Waterloo strategic plan. Part of my contribution included a network analysis of inter- and intra-faculty collaboration networks on campus.

2016 Informal committee designing a Master's in Data Science at the University of Waterloo, joint initiative of the Faculty of Arts and Faculty of Environment.

2016-2019 Member of Communications Outcomes Committee in the Faculty of Environment.

2016 Internal External Examiner for PhD Dissertation in the Department of Applied Mathematics, University of Waterloo. John Lang, 'Mathematical Modelling of Social Factors in Decision Making Processes at the Individual and Population Levels.' Dissertation Supervisors: Drs. Hans De Sterck and Daniel M. Abrams.

2016 Internal External Examiner for PhD Dissertation in the Department of Philosophy, University of Waterloo. Benjamin Nelson, 'The Depictions of Unwritten Law.' Committee Members: Brian Orend, Heather Douglas, and Matt Doucet.

2016-Present Member of the University of Waterloo Task Force on Bibliometrics.

2016-2017 Committee Member on the Faculty of Environment Committee on the University of Waterloo HeForShe Campaign to make gender equality a top institutional priority.

2016 Co-organized (with Ian Milligan) a Software Carpentry workshop at the University of Waterloo focusing on shell scripting, git, and Python for social scientific and historical research.

2016-2021 Faculty Advisor, University of Waterloo iGEM (International Genetically Engineered Machine) Team, Policy & Practices Subgroup, Mathematical Modeling Subgroup (occasionally). 2016 Gold Medal Winners.

2014-Present Board Member, University of Waterloo Survey Research Centre

2014-2015 Faculty of Environment representative on the Arts Faculty Council

2014-2017 Department of Knowledge Integration representative on the Environment Faculty Council

2014-2015 Member of the English Language Competency Committee in the Faculty of Environment

2014 Faculty of Environment Teaching and Learning Committee

2014 Internal External Examiner for PhD Dissertation in the Department of Psychology, University of Waterloo. Nathaniel Barr, 'Reasoned connections: Complex creativity and dual-process theories of cognition.' Dissertation Advisor: Jonathon Fugelsang.

Service – McMaster University

2011-2012 Selection Committee member for two tenure-track hires in Sociology

2010-2012 Chair of Graduate Student Caucus

2011-2012 PhD (ABD) Representative on the Graduate Committee

2009-2010 PhD Representative on the Graduate Committee

2009-2010 Co-Organizer, Culture and Politics workshop

2009-2012 Co-Organizer of Jane Synge Memorial Conferences

2009-2012 Peer Mentor in Sociology Peer Mentoring Program

2008-2009 Union Steward, Sociology (CUPE 3906)

Additional Training and Professional Development

2023-2024 *Academic Leadership for New Department Chairs and Associate Chairs*, Academic Leadership Program, University of Waterloo. Sessions include: Planning and Prioritizing for Change; Performance Conversations; Marketing, Recruitment, and Admissions; Governance and Policy at UW; Decreasing Unhealthy Conflict and Increasing Healthy Conflict; etc.

2016 Technical / methods workshops attended at Sunbelt 2016, Newport Beach, USA: (1) Understanding Diffusion with netdiffuseR, (2) Moving beyond Descriptives: Basic Network Statistics with statnet, (3) Exponential Family Random Graph Modeling (ERGMs) Using statnet, (4) Introduction to Egocentric Network Data Analysis with ERGMs and TERGMs Using `statnet`

2015 Technical / methods workshops attended at Sunbelt 2015, Brighton, UK: (1) Networks in Python: The `networkx` Package, Parts 1 & 2, (2) Mining of large social networks from Twitter, Facebook and LinkedIn using Python, (3) Social Network Approaches for Behavior Change, (4) Visualizing Social Networks. How to Create Meaningful and Compelling Network Drawings.

2012 Qualitative Comparative Analysis and Fuzzy Sets. Arizona Methods Workshops, held at University of Arizona.

2011 Hierarchical Linear Models. Inter-University Consortium for Political and Social Research (ICPSR), held at University of Massachusetts, Amherst.

Research and Teaching Assistantships (2008-2013)

2010-2013 Research Assistant for Neil McLaughlin, Sociology, McMaster University. '*Shaping Opinion in the Public Sphere: Public Intellectual Authority in the Journalistic Field*,' Funded by SSHRC Standard Research Grant.

2009-2010 Teaching Assistant for Classical and Contemporary Sociological Theory. Neil McLaughlin, Sociology, McMaster University.

2008-2009 Research Assistant for Neil McLaughlin, Sociology, McMaster University. '*Professors as Public Intellectuals*,' Funded by SSHRC Standard Research Grant.

Professional Memberships

Canadian Sociological Association (CSA), American Sociological Association (ASA), International Network for Social Network Analysis (INSNA), Network Science Society (NetSci), International Sociological Association (ISA), European Consortium for Political Research (ECPR)