

# John McLevey

Knowledge Integration, Sociology & Legal Studies  
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Citizenship: Canadian

## APPOINTMENTS

2013-Present. Assistant Professor, University of Waterloo  
[Department of Knowledge Integration, Department of Sociology and Legal Studies](#)  
[Approved Doctoral Dissertation Supervisor \(ADDS\) Status](#)

## AFFILIATIONS

2014-Present. Affiliate Researcher, [Waterloo Institute for Complexity and Innovation](#)  
2014-Present. Board Member, [University of Waterloo Survey Research Centre](#)  
2014-Present. Fellow, [Balsillie School of International Affairs](#)  
2014-Present. Cross-appointed to the [School of Environment, Resources, and Sustainability](#)  
2016-Present. Cross-appointed to the [Department of Geography and Environmental Management](#)

## EDUCATION

2013. PhD, Sociology, McMaster University  
2009. MA, Sociology, McMaster University  
2008. BA Honors, Sociology, Political Science, Memorial University

## RESEARCH AREAS

Sociology of Science and Technology, Social Networks and Computational Social Science,  
Environmental Sociology, Political Sociology and Social Movements, Research Methods, Education

## PEER REVIEWED PUBLICATIONS

*Peer Reviewed Journal Articles and Chapters in Peer Reviewed Edited Volumes*

Italics = student at time of publication

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

- John McLevey and Ryan Deschamps. Forthcoming. "The Sociology of Public Policy Formation and Implementation." William Outhwaite and Stephen Turner (eds) *The SAGE Handbook of Political Sociology*. SAGE.
- John McLevey, Allyson Stokes, and Amelia Howard. Forthcoming. "Pierre Bourdieu's Uneven Influence on Anglophone Canadian Sociology." Thomas Medvetz and Jeff Sallaz (eds) *The Oxford Handbook of Pierre Bourdieu*. Oxford: Oxford University Press.
- Allyson Stokes and John McLevey (equal authors). 2016. "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.
- John McLevey. 2015. "Understanding Policy Research in Liminal Spaces: Think Tank Responses to Diverging Principles of Legitimacy." *Social Studies of Science*. 45(2):270-293.
- John McLevey. 2014. "Think Tanks, Funding, and the Politics of Policy Knowledge in Canada." *Canadian Review of Sociology / Revue canadienne de sociologie*. 51(1):54-75.

#### *Revise & Resubmit (Revisions Submitted)*

- Owen Gallupe, John McLevey, and Sarah Brown. "Selection or Influence? A Meta-Analysis of the Association between Peer and Personal Offending." Revise and Resubmit at the *Journal of Quantitative Criminology*.

#### *Under Review*

- John McLevey, Alexander Graham, Reid McIlroy-Young, Pierson Browne, and Kathryn S. Plaisance. "Intellectual Status and disciplinary boundaries: A statistical network analysis of the relationships between philosophy of science and the sciences." Under review at *Scientometrics*.
- John McLevey, Alexander Graham, and Pierson Browne. "Network Structure and the 'Chain of Trust' in Free/Libre Open Source Software Development: The Case of Linux." Under review at *Science, Technology, and Human Values*.

#### *Preparing for Submission*

- John McLevey, Pierson Browne, and Alexander Graham. "Remaking the Boundaries of Open and Proprietary Science: A Linked Data Analysis of Multi-Institutional Collaboration in International Biomedical Science."
- John McLevey, Pierson Browne, Alexander Graham, and Tyler Crick. "Measuring institutional change in the science-policy interface: A comparison of Canada, the US, the UK, and Australia."
- John McLevey, Mark Stoddart, and Yixi Yang. "The Oil-Tourism Interface in International Media: A Systematic Comparison of Norway, Scotland, and Newfoundland and Labrador."

### **BOOK PROPOSAL IN PROGRESS**

- Mark Stoddart, Alice Mattoni, and John McLevey. *The Oil-Tourism Interface: Nature-based Tourism and Offshore Oil Industry in the North Atlantic*. Book proposal in progress for submission to Palgrave MacMillan. Proposal submission planned for late winter or early spring 2018.

## POLICY REPORTS

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

## RESEARCH GRANTS

Total Research Grants since 2013: **\$846,401**

2016-2020 **John McLevey (PI)**, Ontario [Early Researcher Award](#), Ministry of Research and Innovation, “Information and Idea Diffusion in an Open Source Collaboration Network,” \$150,000.

2016-2022. David Tindall (PI), **John McLevey (Co-I)**, Mark Stoddart (Co-I). Collaborators: Mario Diani, Jennifer Earl, Dana R Fisher, Philip Leifeld, Andrew Jorgenson, Philippe Le Billon, Don Grant, Moses Boudourides. [Social Science and Humanities Research Council of Canada \(SSHRC\)](#), [Insight Grant](#) Application. “Making sense of climate action: Understanding social mobilization to curb anthropogenic climate change through advances in social network analysis,” \$282,672

2016-2018 **John McLevey (PI)**, Owen Gallupe (Collaborator) and Martin Cooke (Collaborator), [Social Science and Humanities Research Council of Canada \(SSHRC\)](#), Insight Development Grant, “Remaking the Boundaries of Open and Proprietary Science: A Longitudinal Study of Biomedical Research and Development Networks in Canada” \$67,790.

2016-2018 Katie Plaisance (PI) and **John McLevey (Co-I)**, [Social Science and Humanities Research Council of Canada \(SSHRC\)](#), Insight Development Grant, “Increasing the Impact of Philosophy of Science in Scientific Domains,” \$59,302

2015-2016 **John McLevey (PI)** and Vanessa Schweizer (Co-I), Basillie School of International Affairs, Major Workshops Grant, “Challenges and Opportunities for Governance of Socio-Ecological Systems in Comparative Perspective,” \$8,400.

2015-2020 Mark Stoddart (PI) and **John McLevey (Co-I)**, [Social Science and Humanities Research Council of Canada \(SSHRC\)](#), Insight Grant, “The Oil-Tourism Interface and Social-Ecological Change in the North Atlantic,” \$188,423.

2014-2016 **John McLevey (PI)**, [Social Science and Humanities Research Council of Canada \(SSHRC\)](#), [Insight Development Grant](#), “Collaborative Design in Online Networks,” \$74,814.

2013 University of Waterloo, Faculty Research Startup Grant, \$15,000.

## TEACHING GRANTS

2015-2016 John McLevey (PI), LITE Seed Grant, Center for Teaching Excellence, University of Waterloo, “A Data-Driven and Interactive Approach to Enhancing Student Learning about Disciplinary and Interdisciplinary Knowledge Production,” \$4,765.20.

## AWARDS AND SELECTED SCHOLARSHIPS

2017. Outstanding Performance Award. University of Waterloo.  
 2010–2013. [Joseph-Armand Bombardier Canada Graduate Scholarship](#), Category A, SSHRC Doctoral Scholarship, \$105,000.  
 2010–2011. Ontario Graduate Scholarship, \$15,000. Declined.  
 2009–2013. PhD Graduate Scholarship, McMaster University, \$52,000. Declined. (\$10,000 replaced by Ontario Graduate Fellowship in 2009–2010, replaced by SSHRC CGS 2010–2013)  
 2009–2010. Ontario Graduate Fellowship, \$12,000. Sociology Department Top Up, \$3,000.  
 2009. University Gold Medal for Academic Excellence in Sociology, Memorial University.

## POLICY RESEARCH CONTRACTS

2016–2017. Janice Aurini (Co-PI), John McLevey (Co-PI), Rob Gorbet (Co-I). “Assessing the Impact of Classroom-Integrated Robotics on the Cultivation of 21<sup>st</sup> Century Competencies.” Contract with Council of Ontario Directors of Education (CODE) for the Ontario Ministry of Education.

## OPEN SOURCE RESEARCH SOFTWARE

*metaknowledge*: A Python package for quantitative and social networks research in the sociology of science and information science. Developed by Reid McIlroy-Young and John McLevey. First released in 2015. Under active development. Website and documentation:

<http://networkslab.org/metaknowledge/>.

*tidyextractors*: A Python package for extracting quantitative datasets from source code repositories, email mbox files, and social media APIs (currently Twitter). Developed and maintained by NetLab RA Joel Becker with NetLab support. Website and documentation:

<http://networkslab.org/tidyextractors/>

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 are focused on implementing new comparison and fusion algorithms that are necessary for advancing my grant-funded empirical research on the structure and evolution of cross-sectoral collaboration networks in science and technology. Most NetLab contributions to *recordlinkage* are implemented by Joel Becker (RA) and occasionally Jillian Anderson (RA), and then submitted to Jonathan de Bruin as pull requests.

*gitnet*: A Python package for mining source code repository and mailing list data and generating network datasets. Developed by Joel Becker, Jillian Anderson, Steve McColl, and John McLevey. First released in 2016. *gitnet* is still publicly available and functional, but development efforts and maintenance have shifted to *tidyextractors* and other Python packages. Website and documentation: <http://networkslab.org/gitnet/>

## OP-EDS, PUBLIC TALKS, NON-REVIEWED WRITING

Allyson Stokes and John McLevey. 2017. “The Cultural Sociology Research Cluster in the Canadian Sociological Association and the CSA 2017 Annual Meeting.” Newsletter of the Culture

Section of the American Sociological Association.  
 Occasional technical blog posts on the [NetLab blog](#)  
 Comments at XMD Graduate Students Symposium, Big Data & Society. organized by Dr. Beth Coleman, University of Waterloo. Critical Media Lab, Kitchener Waterloo, April 9, 2017.  
 Comments at *Talk Science* event, organized by students and local community members involved with *Evidence for Democracy*. Waterloo, ON. September 28, 2015.  
 “[Tory war on evidence claims another casualty](#)” with Liam Swiss. *Toronto Star* Op-Ed published on September 24 2014, section A15.

## CONFERENCE PRESENTATIONS

August 2017 John McLevey. “Environmental crises, policy, and scientific change: Insights from a computational model.” Presented at the annual American Sociological Association meetings, Montréal, QC, Canada.  
 June 2017 John McLevey and Reid McIlroy-Young. “*metaknowledge*: open source software for networks research on science” Presented at the annual Sunbelt meeting, International Network for Social Network Analysis (INSNA), Beijing, China.  
 May 2017 John McLevey. Panelist in “Assessing Pierre Bourdieu’s Legacy,” organized by the joint culture/theory research cluster committee at the Canadian Sociological Association meetings at Ryerson University. Toronto, ON, Canada.  
 May 2017 John McLevey, Mark Stoddart, and Yixi Yang. “The Oil-Tourism Interface in International Media: A Systematic Comparison of Norway, Scotland, and Newfoundland and Labrador.” Presented at the Canadian Sociological Association annual meeting. Toronto, ON, Canada.  
 May 2017 John McLevey. “How do face-to-face and virtual networks shape the development of specialist expertise?” Presented at SEESHOP 2017, Geneva, Switzerland.  
 August 2016 Vanina Leschziner, John McLevey, and Neil McLaughlin. “The American Fame Game: Academic Status and Public Renown in Post-War Social Sciences.” Presented at the Annual Meetings of the American Sociological Association, Section on Science, Knowledge, and Technology session, Seattle, WA.  
 May 2016 “Expertise and Experience in Dynamic Social Networks: Developing A Co-evolution Model for SEE.” Presented at [SEESHOP 9](#) (Studies of Expertise and Experience), Cardiff Wales, UK.  
 April 2016 Kirsten Wright, Owen Gallupe, and John McLevey. “DrugAgent: Measuring the Effect of Restrictive Deterrence on the Resilience of Agent Based Drug Markets.” Presented at the [Fields Institute](#) “YSI Complexity and Economics Workshop.” Toronto, ON, Canada.  
 April 2016 John McLevey, Katie Plaisance, Reid McIlroy-Young, and Alexander Graham. “Is there a citation penalty for scientifically relevant philosophy of science?” Presented by John McLevey and Alexander Graham at Sunbelt XXXVI (Annual meetings of the International Network for Social Network Analysis), Newport Beach, CA.  
 November 2015 Owen Gallupe, Sarah Brown, and John McLevey. “Selection or Influence? A Meta-Analysis of the Association between Peer and Personal Offending.” Presented at the Annual Meetings of the American Society of Criminology, Washington, D.C.  
 August 2015 “Conflict and Cooperation in Large Collaboration Networks: An Analysis of Linux Kernel Development.” Presented at the Annual Meetings of the American Sociological Association, Chicago, IL. Session: Sociology of Technology.

- June 2015 “Conflict and Cooperation in Large Collaboration Networks: An Analysis of Linux Kernel Development.” Presented at Sunbelt meetings, International Network for Social Network Analysis (INSNA), Brighton, UK.
- May 2015 “Conflict and Cooperation in Large Collaboration Networks: An Analysis of Linux Kernel Development.” Presented at the Annual Meetings of the Canadian Sociological Association, Ottawa, ON. Session: Innovation in Social Research: New Data, New Questions, New Analytics.
- May 2015 John McLevey, Amelia Howard, Alexander Graham, and Tiffany Lin. “Expertise, Stratification, and the Uncertain Democracy of Large Free / Open Source Developer Communities.” Presented at [SEESHOP 9](#) (Studies of Expertise and Experience), Cardiff Wales, UK.
- August 2014 “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, San Francisco, CA.
- June 2014 “Struggling Over Climate Expertise: ‘Consensus’ and ‘Skepticism’ in the Space of Opinion.” Presented at [SEESHOP 8](#) (Studies of Expertise and Experience), *Communities of Integration*, Waterloo, ON, Canada.
- May 2014 Allyson Stokes and John McLevey. “The Invisible Colleges of Sociology in Canada: A Network Analysis, 1995-2014” Annual meetings of the Canadian Sociology Association, Brock University, St. Catharines, ON, Canada.
- May 2014 “Funding, Fame, and Politics in the Think Tank World.” Presented at *The Science Policy Interface: International Comparisons*, hosted by The Balsillie School of International Affairs, Waterloo, ON, Canada.
- April 2014 Vanina Leschziner, Neil McLaughlin, and John McLevey (equal authors). “The American Fame Game: Public Renown and Academic Status in the Social Sciences.” Presented in *Public Intellectuals and Power*, Cambridge, MA. Harvard University.
- August 2014 “Think Tanks in the Space of Opinion: Tactics for Creating Uncertainty about the Scientific Consensus on Climate Change.” Accepted for presentation at the Annual Meetings of the American Sociological Association, San Francisco, CA.
- October 2013 Comments on papers in the session “Chastened Dreams and New Departures: American Scientific Culture(s) in Ferment from the 1960s to 1980s” for the conference “Total Money Makeover: Culture and the Economization of Everything,” organized by the Canadian Association of American Studies (CAAS), University of Waterloo.
- August 2013 “How do Think Tanks Produce and Promote Policy Ideas?” Presented in the “Sociology of Knowledge” regular session (“Knowledge and the State”), Annual Meetings of the American Sociological Association, New York, New York, US.
- June 2013 “Think Tanks on Climate Change: Moral Views, Scientific Credibility, and Political Contexts.” Presented in “The Sociology of Climate Change,” Annual meetings of the Canadian Sociology Association, University of Victoria, Victoria, BC, Canada.
- June 2013 Vanina Leschziner, Neil McLaughlin, and John McLevey (equal authors). “The American Fame Game: Academic Status and Public Renown in the Social Sciences.” Presented in the “The Role of Public Intellectualism in Academe,” Annual meetings of the Canadian Sociology Association, University of Victoria, Victoria, BC, Canada.
- June 2012 “Epistemic Cultures in the Production of Policy Expertise” Annual Qualitative Analysis Conference, Memorial University, St John’s NL, Canada.



- May 2012 “Translation Work and the Marketing of Policy Expertise: Leads from Research on Canadian Think Tanks.” Annual meetings of the Canadian Sociology Association, University of Waterloo and Wilfrid Laurier University, Waterloo ON, Canada. Sociology of Science session.
- Aug 2011 “Rhythms and Reason Giving: Understanding Academic Involvement in Canadian Think Tanks.” Annual meetings of the American Sociology Association, Las Vegas, NV. Refinement of a paper presented in Philadelphia earlier that year.
- April 2011 Invited participant in NYLON workshop “Cultures of Circulation.” Ottawa ON, Canada.
- Feb 2011 (Previous version of) “Rhythms and Reason Giving: Understanding Academic Involvement in Canadian Think Tanks.” Annual meetings of the Eastern Sociology Society, Philadelphia PA, US. Regular Session on “Constructing Workplaces and Professional Domains.”
- May 2010 “How and Why Do Academics Get Involved with Think Tanks?” Annual Qualitative Analysis Conference, Wilfrid Laurier University, Brantford ON, Canada.
- June 2010 “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, Concordia University, Montreal QC, Canada.
- June 2010 (with Lisa Kowalchuk and Neil McLaughlin) “Public Intellectual Work: Uses of the Canadian Op-Ed Column.” Annual meetings of the Canadian Sociology Association, Concordia University, Montreal QC, Canada.
- May 2010 (Previous version of) “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.
- May 2009 “Understanding Marginality, Ambiguous Outcomes, and Failure in Social Movements Research and the Sociology of Ideas.” Annual meetings of the Canadian Sociology Association, Carleton University, Ottawa ON, Canada.

## INVITED TALKS

### *Invited Research Talks*

- Nov 15, 2017 “Gender discrimination in open source software development: findings from a large-scale field study.” Guest lecture in Gender Equity course in Knowledge Integration, University of Waterloo.
- Nov 13, 2017. “A Primer on Computational Sociology.” Guest lecture in Sociology Theory grad seminar, Sociology & Legal Studies, University of Waterloo.
- March 2, 2016 “Network Structure and the ‘Chain of Trust’ in Linux Development: Lessons for Working with Data Scraped from the Web.” Guest lecture in Research Methods class in Sociology, Wilfrid Laurier University
- May 2017, Panelist on “SSHRC’s new data management policies: what do they mean for your knowledge making practices?” at the 2017 Canadian Sociological Association meetings, Ryerson University.
- Oct 28, 2016, “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.

Dec 2, 2014 “Collaborating On-Line: An Analysis of Communication Networks for Linux Kernel Developers.” [Waterloo Institute for Complexity and Innovation](#) Speaker Series, University of Waterloo.

Sept 20, 2013 “Think Tanks, Funding, and Politics of Policy Knowledge,” Knowledge Integration Seminar Series, Faculty of Environment, University of Waterloo.

### *Invited Teaching Talks*

March 1, 2016 John McLevey and Patrick Famaran (UG student), “Using Technology to Facilitate Collaboration,” Centre for Teaching Excellence Educational Technology Week.

March 1, 2016 “Enhancing Student Learning by Bringing Data into the Classroom.” GREEN TEA speaker series, University of Waterloo.

## **TEACHING**

### *Courses Designed, Developed, and Offered since 2013*

Research Methods (undergraduate lecture)

“Big Data” and Social Science Research (undergraduate seminar)

KI Thesis / Senior Research Project

The Art & Science of Learning (undergraduate lecture)

Data Visualization (undergraduate seminar)

Sociology of Science and Technology (undergraduate seminar)

Open Science and Technology (undergraduate seminar)

Creativity and Innovation (undergraduate lecture)

### *Independent Studies Courses*

Sociology of Science; The Sociology of Expertise and Science Policy; Social Network Analysis; Computational Sociology; Sociology of Organizations

## **STUDENT SUPERVISION**

### *PhD Dissertations*

Michael Clarke (committee member – successfully defended in 2016)

Alexander Graham (co-supervisor with Peter Carrington)

Amelia Howard (supervisor)

Tyler Crick (supervisor)

Julie Cook (co-supervisor with Jennifer Lynes)

Pierson Browne (committee member, supervisor Jen Whitson)

Rod Missaghian (committee member, supervisor Janice Aurini)

Yixi Yang (committee member, supervisor Mark Stoddart at Memorial University)



*MA Theses*

Alexander Graham (supervisor, successfully defended 2017)  
 Junyi Wang (committee member, supervisor Derek Robinson, successfully defended in 2017)  
 Chen Chen (reader, supervisor Peter Johnson, successfully defended 2016)  
 Stuart Anderson (reader, supervisor Götz Hoeppe, successfully defended 2017)  
 Nicholas Brandon, MD (committee member, supervisor Shannon Majowicz)  
 Sarah Tang (committee member, supervisor Simron Singh)

*Undergraduate Senior Honors Theses*

Rachel Wood (in progress 2017-2018)  
 Jessilyn Wolfe (in progress 2017-2018)  
 Jillian Anderson (completed 2017)  
 Julia Yaroshinsky (completed 2016)  
 Tiffany Lin (completed 2015)  
 Benjamin Carr (completed 2014)  
 Chelsea Mills (completed 2014)  
 Christina Minji Chung (completed 2014)

**SERVICE***Service to the Profession*

2016-2020, Communications Officer, Member of the Executive Council, Canadian Sociological Association. Am also managing social media accounts for the *Canadian Review of Sociology*.  
 Co-organizer (with Rochelle Côté) and co-liaison with the Canadian Sociological Association for the [Social Networks Research Cluster](#)

Co-organizer (with Marion Blute) and co-liaison with the Canadian Sociological Association for the [Sociology of Science, Technology, and Knowledge Research Cluster](#)

## Conference Session Organizing:

2017. *Practical Advice on Communicating Sociological Research* panel, Ryerson University  
 2017. *Sociology of Science and Knowledge*, CSA Meetings, Ryerson University  
 2016. *Sociology of Science and Knowledge*, CSA Meetings, University of Calgary  
 2015. *Political Sociology of Science*, CSA Meetings, Carleton University  
 2015. *Sociology of Science*, CSA Meetings, Carleton University  
 2014. *Sociology of Technology*, CSA meetings, Brock University  
 2014. *Sociology of Culture*, with Allyson Stokes, CSA meetings, Brock University

## Peer Reviewing (Journal Articles):

*American Journal of Sociology*  
*Sociological Theory*  
*Social Studies of Science*  
*Canadian Journal of Sociology*  
*Methodological Innovations*  
*Acta Sociologica*

## Peer Reviewing (Grants):

2018. Observer for the 2018 SSHRC Postdoctoral Awards Competition

2017. Evaluator for 2017 SSHRC Insight Development Grants Competition

*University of Waterloo*

2017-2018 Committee member for university-level “Research excellence and crossing disciplinary lines” committee, which will develop a white paper to inform the development of the next University of Waterloo strategic plan.

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-Present 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-Present 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-Present 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 Gave a talk on creativity and innovation to Grade 11 students at Waterloo Unlimited. Title: “Where do good ideas come from? A social network perspective.”

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.

*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 RESEARCH METHODS TRAINING

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  
 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.  
 Qualitative Comparative Analysis and Fuzzy Sets. Arizona Methods Workshops, held at University of Arizona. January, 2012.  
 Hierarchical Linear Models. Inter-University Consortium for Political and Social Research (ICPSR), held at University of Massachusetts, Amherst. June, 2011.

## RESEARCH AND TEACHING ASSISTANTSHIPS

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, American Sociological Association, International Network for Social Network Analysis, Society for Social Studies of Science, Sociologists for Women in Society

## REFERENCES

Harry Collins, Fellow of the British Academy, Distinguished Research Professor, School of Social Sciences, Cardiff University, [CollinsHM@cf.ac.uk](mailto:CollinsHM@cf.ac.uk)  
 Mike Gorman, Director and Professor of Science, Technology & Society Program, Professor of Systems Engineering, School of Engineering and Applied Science, University of Virginia, [meg3c@virginia.edu](mailto:meg3c@virginia.edu)  
 Marion Blute, Professor Emeritus, Department of Sociology, University of Toronto, [marion.blute@utoronto.ca](mailto:marion.blute@utoronto.ca)

Howard Ramos, Professor; Associate Dean Research, Faculty of Arts and Social Sciences,  
Department of Sociology & Anthropology, Dalhousie University, [howard.ramos@dal.ca](mailto:howard.ramos@dal.ca)  
Neil McLaughlin, Professor, Sociology, McMaster University, [nmclaugh@mcmaster.ca](mailto:nmclaugh@mcmaster.ca)  
Tina Fetner, Associate Professor, Sociology, McMaster University, [tina.fetner@mcmaster.ca](mailto:tina.fetner@mcmaster.ca)  
Scott Davies, Professor, Leadership, Higher and Adult Education, University of Toronto, OISE,  
[scott.davies@utoronto.ca](mailto:scott.davies@utoronto.ca)