Joanna Szurmak – CURRICULUM VITAE

Joanna Szurmak

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Graduate Student (Ph.D.) in the Department of Science and Technology Studies

York University

Departmental Address: 218 Bethune College, York University

4700 Keele Street

Toronto, ON Canada M3J 1P3

Research Services and Liaison Librarian (Librarian III)

University of Toronto at Mississauga Library
Work Address: 3359 Mississauga Road

Mississauga, ON Canada L5L 1C6
Telephone: (905) 828-3882
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Education

in progress Enrolled in Doctor of Philosophy program, Science and Technology Studies

Department of Science and Technology Studies, York University, Toronto, Ontario, Canada.

2000 Master of Information Studies, Library and Information Science

Faculty of Information Studies, University of Toronto, Toronto, Ontario, Canada.

1998 Master of Applied Science in Engineering

Dept. of Electrical and Computer Engineering, University of Toronto, Toronto, Ontario, Canada.

1995 Bachelor of Applied Science, Engineering Science

Dept. of Electrical and Computer Engineering, University of Toronto, Toronto, Ontario, Canada.

Work Experience

05/2018 – present Research Services and Liaison Librarian (Librarian III)

University of Toronto at Mississauga Library, Hazel McCallion Academic Learning Centre

3359 Mississauga Road N.

Mississauga, ON Canada L5L 1C6

- Develop new services such as systematic review support.
- Liaise with the following departments and programs: Anthropology, Forensic Science, Psychology and Robotics in support of their teaching, learning, research and outreach activities.

07/2010 – 04/2018 Digital Initiatives and Liaison Librarian (Librarian III)

University of Toronto at Mississauga Library, Hazel McCallion Academic Learning Centre 3359 Mississauga Road N.

Mississauga, ON

Canada L5L 1C6

- Developed digital objects and collections.
- Developed new service models in reference and instruction.
- Liaised with the following departments and programs: Mathematical and Computational Sciences, Philosophy, Psychology in support of their teaching, learning, research and outreach activities.

2007 – 04/2010 Science Liaison Librarian (Librarian II)

University of Toronto at Mississauga Library, Hazel McCallion Academic Learning Centre 3359 Mississauga Road N.

Mississauga, ON Canada L5L 1C6

- Supported reference and instruction services.
- Liaised with the following departments and programs: Anthropology, Mathematical and Computational Sciences, Psychology in support of their teaching, learning, research and outreach.

2000-2002 Reference and Liaison Librarian (Instructor level, tenure track position)

University Library, New Mexico State University (NMSU)

Las Cruces, New Mexico, USA.

- Provided research and reference services at the Science, Business, & Engineering library.
- Liaised, taught and carried out collection development for twelve departments in the College of Arts & Sciences and in the College of Engineering.

1999-2000 Cataloger

Materials Processing Department, University of Toronto Library, Toronto, Ontario, Canada.

Carried out derived AACR2-compliant cataloging of monographs and edited MARC records.

1998-1999 Circulation Desk Assistant

Bora Laskin Law Library, University of Toronto, Toronto, Ontario, Canada.

Handled circulation, fines, patron registration, library information, as well as quick reference.

1995-1996 Engineering Associate, Engineering Assistant

Technology Engineering Department, Rogers Engineering, Toronto, Ontario.

Worked on implementing high-speed data cable services; trained technicians in signal monitoring.

1992 Research Assistant

Department of Physics, University of Toronto, Toronto, Ontario.

Designed and tested a cell for Raman spectroscopy; contributed to documenting the CARS system.

1990, 1991 Research Assistant

Department of Medical Biophysics, University of Toronto, Toronto, Ontario.

Investigated the effects of processing conditions on mammogram images.

Professional Secondments

2011 - 2013 Seconded to collaborate with the faculty at the Centre for Teaching Support &

Innovation (CTSI) at the St. George Campus of the University of Toronto as part of the Partnering for Academic Success Secondment (PASS), an initiative

designed to build teaching capacity among academic librarians.

Professional and Continuing Education

June 28-30, 2018	"Historiography, Methodology, Metaphilosophy, and the Canon" Summer
	School, McMaster University, Hamilton, ON. (2.5 day workshop).
June 18-21, 2018	Canadian Association of Research Libraries Librarians' Research Institute,
	Concordia Unversity, Montreal, QC. (4 day immersive workshop).
May 8-11, 2017	DH@Guelph Summer Workshop: Introduction to Code/Art and Open Data
	Visualization. (4 day hands-on workshop).
July 20-25, 2014	ACRL Teacher Immersion Program, Champlain College, Burlington, VT. (5 day immersive course).
June 2 – July 20, 2014	Completed the Using Drupal to Build Library Websites ALA eCourse taught by Ken Varnum. (6 week course).
Feb. 26 – April 16, 2013	Fundamentals of University Teaching, CTSI, University of Toronto, Toronto. (8 week course).
March 2-9, 2012	Northern Exposure to Leadership (NEL) 2012 Institute. (1 week-long immersive seminar).

Academic Awards

1999, 2000	W. H. Wilson Fellowship
1997, 1998	University of Toronto Open Master's Fellowship
1991-1993	University of Toronto National Scholarship
1991	The Medal of the Governor General of Canada
1991	Canada Scholarship

Publications and Presentations

Publications

Peer-Reviewed Publications:

Szurmak, J., Laflamme, M., Thuna, M., Ahmed, M., & Dhillon, K. (under review). I Don't Want to Go to Med School: A narrative investigation of "pivotal moments" in discipline selection by undergraduate science students.

Geloso, V., Szurmak, J., & Desrochers, P. (under review). Care to Wager Again? An Appraisal of Paul Ehrlich's Counter-wager Offer to Julian Simon.

Desrochers, P., Leppälä, S., & Szurmak, J. (2017). Urban diversity and innovation. In H. Bathelt, P. Cohendet, S. Henn, & L. Simon (Eds.), The Elgar companion to innovation and knowledge creation: A multi-disciplinary approach (pp. 215-230). Cheltenham, UK: Edward Elgar Publishing, Inc.

Szurmak, J., & Desrochers, P. (2017). Jane Jacobs as Spontaneous Economic Order Methodologist: Part 2: Metaphors and Methods. Cosmos + Taxis: Studies in Emergent Order and Organization, 4(2):20-47.

Desrochers, P., & Szurmak, J. (2017). Jane Jacobs as Spontaneous Economic Order Methodologist: Part 1: Intellectual Apprenticeship. *Cosmos + Taxis: Studies in Emergent Order and Organization*, 4(2):1-19.

Desrochers, P., & Szurmak, J. (2017). Long distance trade, locational dynamics and by-product development: Insights from the history of the American cottonseed industry. *Sustainability*, *9*(4):579. doi: 10.3390/su9040579

Bolan, J., Bellamy, P., Rolheiser, C., Szurmak, J., & Vine, R. (2015). Realizing partnership potential: A report on a formal collaboration between a teaching and learning centre and libraries at the University of Toronto. *Collected Essays on Learning and Teaching (CELT)*, 8, 191-200. Retrieved from http://celt.uwindsor.ca/ojs/leddy/index.php/CELT/article/view/4241/3559

Szurmak, J., & Thuna, M. (2013). Tell me a story: The use of narrative as tool for instruction. In D. M. Mueller (Ed.), *Imagine, Innovate, Inspire: The Proceedings of the ACRL 2013 Conference*. Retrieved from http://www.ala.org/acrl/sites/ala.org.acrl/files/content/conferences/confsandpreconfs/2013/papers/SzurmakThuna_TellMe.pdf

Szurmak, J. (2011). Re-Tooling the Factory: Scaffolding for Library Labs in Large First Year Courses. In *Blazing Trails: Conference Proceedings of the Thirty-Fifth National LOEX Library Instruction Conference, April 30 – May 2, 2009, Albuquerque, NM,* (page numbers not assigned). Ypsilanti, MI: LOEX Press for the University Library, Eastern Michigan University.

Szurmak, J., & Petersen, A. (2010). Learning Outcomes Assessment Matrix (LOAM): A software-supported process for identifying and scaffolding complex learning outcomes. *Ubiquitous Learning*, 2(3), 111-127.

McKimmie, T., & Szurmak, J. (2001). Beyond gray literature: How gray questions can drive research. *Journal of Agricultural and Food Information*, 4(2), 71-81.

Sagnes, E., Szurmak, J., Manage, D. & Zukotynski, S. (1999). Structure of hydrogenated amorphous carbon deposited using saddle-field glow-discharge in methane. *Journal of Non-Crystalline Solids*, *249*, 69-79.

Sagnes, E., Szurmak, J., Manage, D., & Zukotynski, S. (1999). Study of the dc saddle-field discharge: Application to methane. *Journal of Vacuum Science & Technology A (Vacuum, Surfaces, and Films)*, 17, 713-20.

Chan, W., Allen, T, Gaspari, F., Szurmak, J., Sagnes, E. and Zukotynski, S. (1998). Amorphous diamond-like carbon films prepared by DC saddle-field glow-discharge method: doping with boron and phosphorus. In *Covalently Bonded Disordered Thin-Film Materials: Proceedings of the 1997 MRS Fall Symposium, Boston, MA, V. 498*, (p. 165-70). Warrendale, PA: Materials Research Society.

Chan, W. C. W., Gaspari, F., Allen, T., Lim, P. K., Moreno, E., Sagnes, E., Manage, D., Szurmak, J. & Zukotynski, S. (1998). Structural, optical, and electrical properties of doped hydrogenated diamond-like amorphous carbon films deposited using the DC saddle-field glow-discharge technique. *Journal of Vacuum Science & Technology A (Vacuum, Surfaces, and Films)*, 16, 889-92.

Non Peer-Reviewed Publications:

Szurmak, J. (forthcoming). Premises of science fiction: Neo-Malthusian and resourceship perspectives. In M. M. Wooster & S. T. Karnick (Eds.), *A science fiction writer's guide to science*. Chicago, II: The Heartland Institute.

Szurmak, J., Alexander, M., Anderson, A., Hawrychuk, S., Swieton, D., Seim, S. Serafin, M., Traas, W., West, D., Whyte, I., & Wolfe, N. (25 February, 2015). *Library Space & Technology Revitalization Initiative: Learning Commons Group Final Report*. (Unpublished report).

Kim, C., Bielecki, J., Dyas-Correia, S., Lawson, J., Robertson, J., Spence, M., Szurmak, J., & Vine, R. (22 October, 2014). *Altmetrics University of Toronto Libraries Strategic Planning Working Group: Altmetrics, their importance, and recommendations for UTL*. (Unpublished report).

Presentations

Peer-Reviewed Presentations:

Szurmak, J. (21 July, 2018). "The kind of problem innovation is: Tracing the intellectual contributions of Jane Jacobs outside urban planning." Presented at ICOHTEC, Universite Jean Monnet, St. Etienne, France.

Desrochers, P., & Szurmak, J. (27 May, 2018). "Long Distance Trade, Locational Dynamics and By-Product Development: Insights from the History of the Cottonseed and Synthetic Dye Industries." Presented at the ISSST, Hotel Henry / Buffalo University, Buffalo, NY, USA.

Szurmak, J. (27 April, 2018). "Mother Jacobs' Home Remedies," Now with an economics flavour: Tracking Jane Jacobs' influence using bibliometric and network analysis." Presented at the ALTCS Montreal Library Research Forum, Concordia University Loyola Campus, Montreal, QC, Canada.

Szurmak, J. (20 October, 2017). "Care to wager again? An appraisal of Paul Ehrlich's counter-bet offer to Julian Simon and its implications for biophysical limits to economic growth." Presented at the Canadian Society for Ecological Economics Conference, Concordia University, Montreal, QC, Canada.

Szurmak, J. (7 July, 2017). "I Don't Want to Go to Med School: A narrative investigation of "pivotal moments" in discipline selection by undergraduate science students." Presented at the Western Conference on Science and Education, Western University, London, ON, Canada.

Szurmak, J. (31 May, 2016). "Discovering, Dissecting and Describing Individual Creativity in the Academic Library through Narrative Interviews." Presented at the CAPAL International Conference, University of Calgary, Calgary, AB, Canada.

Szurmak, J. (11 May, 2016). "No Recipe:" Characterizing Individual Librarian Creativity Using Narrative Methods. Presented at the University of Calgary Conference on Postsecondary Learning and Teaching: Exploring Creativity in Postsecondary Learning and Teaching, University of Calgary, Calgary, AB, Canada.

Desrochers, P., & Szurmak, J. (29 March, 2016). *Jane Jacobs as spontaneous order theorist*. Presentation at the AGM, San Francisco, CA.

Szurmak, J., & Cassidy, A. (18 June, 2015). *Illuminating scholarship: Helping students through faculty-librarian collaborations*. Society for Teaching and Learning in Higher Education (STLHE) 2015 Conference, Vancouver, BC.

Bolan, J., Bellamy, P., & Szurmak, J. (18 June, 2014). A Partnership for Academic and Student Success: Educational Developers, Librarians and lessons learned from an experiment in collaboration at the University of Toronto. Society for Teaching and Learning in Higher Education (STLHE) 2014 Conference, Queen's University, Kingston, ON.

Szurmak, J., & Thuna, M. (11 April, 2013). *Tell me a story: The use of narrative as a tool for instruction*. ACRL 2013. Indianapolis, Indiana, USA.

Harris, M., & Szurmak, J. (25 June, 2010). *Complementary Collaborative Coup(s): How to captivate unwilling students in one-time in-class skills session*. STLHE 2010 Conference, Ryerson University, Toronto, ON.

Szurmak, J., & Petersen, A. (29 March, 2010). *Growing instruction programs in LOAM, a tool facilitating the scaffolding of information literacy skills*. LILAC 2010 Conference, Limerick, Ireland.

Szurmak, J., & Petersen, A. (5 December, 2009). *Connecting information literacy competencies to learning outcomes in computer science*. Ubiquitous Learning Conference, Boston, MA, USA. Available at http://individual.utoronto.ca/apetersen/files/UL boston.pdf

Szurmak, J. (1 May, 2009). *Re-Tooling the Factory: Scaffolding for Library Labs in Large First Year Courses*. LOEX Conference, Albuquerque, NM, USA. Available at http://www.loexconference.org/2009/program/sessions.html

Non Peer-Reviewed Presentations:

Szurmak, J. (18 May, 2018). "Jane Jacobs: Part Urban Theorist, Part Economist, Full Chimera." Chimerizations - Binocular Conference (STS York University & The Program for History and Philosophy of Science and Technology), Bahen Centre, University of Toronto, Toronto, ON.

Serafin, M., & Szurmak, J. (1 May, 2018). "Supporting Experiential Learning at UTM with a Student Content Showcase Service: Transformative Teaching Need Not End with the Semester..." TRY+ Conference (St. Michael's University), University of Toronto, Toronto, ON.

Szurmak, J. (5 November, 2016). *The Second Ehrlich-Simon Bet: Who Would Have Won?* International Conference on Prices & Markets (Mises Institute Canada), Bahen Centre, University of Toronto, ON, Canada.

Desrochers, P., & Szurmak, J. (18 August, 2016). *Innovation and the Case against the Patent System*. Freedom Week (Institute for Liberal Studies), McGill University, Montreal.

Desrochers, P., & Szurmak, J. (24 July, 2016). *Creativity and the Case against the Patent System*. 2016 Liberty Summer Seminar (Institute for Liberal Studies), Peterborough, ON.

Desrochers, P., & Szurmak, J. (22 July, 2016). *Creativity and the Case against the Patent System*. 2016 Rothbard University (Mises Institute Canada, University of Toronto, St George Campus, Toronto, ON, Canada.

Geloso, V., Szurmak, J., & Desrochers, P. (5 April, 2016). *The Second Simon-Ehrlich Bet*. Presentation at the APEE, Las Vegas, NV.

Desrochers, P., & Szurmak, J. (4 April, 2016). *Jane Jacobs as spontaneous order theorist*. Presentation at the APEE, Las Vegas, NV.

Szurmak, J. (29 January, 2016). *Probing the Incubator: Learning to discover, dissect and describe individual librarian creativity*. Preseantation at the OLA SuperConference, Metro Toronto Convention Centre, Toronto, ON.

Desrochers, P., & Szurmak, J. (19 January, 2016). *Jane Jacobs as spontaneous order theorist*. Presentation at the Toronto Mises Institute.

Desrochers, P., & Szurmak, J. (May, 2015). *Jane Jacobs as spontaneous order theorist*. Presentation at a Rochester, NY, seminar.

Szurmak, J., & Thuna, M. (24 April, 2015). *Crossing Thresholds in Teaching with Narratives*. OCULA Spring Conference 2015, Crossing Thresholds, Inn on the Twenty, Jordan, ON.

Szurmak, J., & Maidenberg, K. (17 March, 2015). *A picture is worth a thousand words: Visualizing resource overlap*. Gerstein Librarians' Meeting, Alice Moulton Room, Gerstein Library, University of Toronto, Toronto, ON.

Szurmak, J., & Maidenberg, K. (29 January, 2015). *A picture is worth a thousand words: Visualizing resource overlap*. OLA SuperConference 2015, Think It, Do It, Metro Toronto Convention Centre, Toronto, ON.

Szurmak, J. (29 August, 2014). *Etiquette and chat analysis*. Ask A Librarian Mentee Training Day 2014, Robarts Library, University of Toronto, Toronto, ON.

Thuna, M., & Szurmak, J. (10 June, 2014). *Literature Review - Researching in the Classroom: The Journey from Start to Finish*. Scholarship of Teaching and Learning (SoTL) Institute, CTSI, Blackburn Room, Robarts Library.

Szurmak, J., & Thuna, M. (10 June, 2014). Searching the Literature of Teaching and Learning in Researching in the Classroom: The Journey from Start to Finish. Scholarship of Teaching and Learning (SoTL) Institute, June 10-11, 2014, CTSI, Blackburn Room, Robarts Library, University of Toronto. (50% contribution)

Mall, S., & Szurmak, J. (25 April, 2014). *Monster & Masterpiece: Learning-Focused Conversations that Align Teaching with Professional Practice*. OCULA Spring Conference, Jordan, ON.

Mall, S., & Szurmak, J. (31 January, 2014). *Beyond Rock, Paper, Scissors: Choosing frameworks to align outcomes with teaching and professional practice*. OLA 2014 SuperConference, MTCC, Toronto, ON.

Szurmak, J., & Thuna, M. (31 January, 2013). *Tell me a story: The use of narrative as a tool for instruction*. OLA 2013 SuperConference, Metro Toronto Convention Centre, Toronto, ON.

Stepanian, E., & Szurmak, J. (8 May, 2012). *Mirror, mirror: What Twitter can tell you about your library*. TRY Conference, St. Michael's College, University of Toronto, Toronto, ON. Available at: http://link.library.utoronto.ca/registration/staffconference/2012/display Course.cfm?CSID=171

Hwang, C., Fullerton, A., & Szurmak, J. (4 February, 2012). *Science Librarianship 2012: Ideas, Ideals, and Insights*. OLA 2012 SuperConference, Metro Toronto Convention Centre, Toronto, ON.

University of Toronto Libraries. (2 February, 2012). *Innovations and Challenges in Online Service Delivery at the University of Toronto Libraries*. In *Research Support in the 21st Century: Harnessing networked communications to deliver world-class user services*. ScholarsPortal /OCUL Summit, University of Toronto, Toronto, ON.

DiMonte, L., & Szurmak, J. (1 June, 2011). *New Teaching Tools for Chat Reference*. WILU 2011, University of Regina, Regina, SK. Available at http://prezi.com/qa5t-glum4pm/wilu-2011-new-teaching-tools-for-chat-reference/?auth-key=369c44c24e8dd447f7b611db62ec5b17e8a89c83

DiMonte, L., & Szurmak, J. (27 May, 2011). *From Zero to Hero in Sixty Minutes*. TechKnowFile (TKF) Conference, University of Toronto Scarborough, Scarborough, ON. Available at http://prezi.com/mlyjh6hlim_g/from-zero-to-hero-in-sixty-minutes/?auth_key=e22e59a5836531139361c15513bc3147b5efe687

DiMonte, L., & Szurmak, J. (3 May, 2011). *Harnessing New Tools for Virtual Reference*. TRY Conference, St. Michael's College, University of Toronto, Toronto, ON. Available at http://prezi.com/lgbwv9ok-k2u/try-2011-harnessing-new-tools-for-virtual-reference/?auth_key=4f11f18c101b67b5001e346ca59451816fc490d9

Szurmak, J., & Harris, M. (5 February, 2011). *Scaffolding through Narrative: A Collaboration in Science Instruction*. OLA 2011 SuperConference, Metro Toronto Convention Centre, Toronto, ON.

Szurmak, J., & Yip, C. (26 February, 2010). *Reference Knowledge Inventory: A modular and modifiable framework*. OLA SuperConference, Metro Toronto Convention Centre, Toronto, ON.

Szurmak, J. (26 May, 2009). *Reflections from the Assembly Line: Library Labs in Large First Year Courses*. WILU 2009 Conference, Montreal, QC.

Szurmak, J. (5 May, 2009). The adventure of building engagement through embedded IL: Redesigning PSY309. TRY Conference, St. Michael's College, University of Toronto, Toronto, ON. Available at http://www.library.utoronto.ca/event/staffconference/advenutreubilding-try2009.pdf

Policy Work

Co-authored, with P. Desrochers, the briefing titled "Canadian Government Role in Adaptation to Climate Change and Water and Soil Conservation Issues." Presented by P. Desrochers to the Standing Committee on Agriculture and Agri-Business (Canadian House of Commons). (December 6, 2017) (Ottawa, ON).

Co-authored, with P. Desrochers, the briefing titled "Clean Technology in Canada's Natural Resource Sectors." Presented by P. Desrochers to the Standing Committee on Natural Resources (Canadian House of Commons) at the RNNR meeting no. 46 (February 23, 2017) (Ottawa, ON).

Co-authored, with P. Desrochers, the briefing titled "Remarks on How the Government can Help Facilitate Social Licence for Crude Oil Transportation Infrastructure: Social Licence and Social Carbon Cost vs. Carbon Fuel Economic and Environmental Benefits." Presented by P. Desrochers to the Standing Senate Committee on Transport and Communications (Canadian Senate) at the TRCM meeting no. 47 (February 1, 2017) (Ottawa, ON).

Media

Podcaster: Bright Lights, Big Sauga

- I developed the concept for, and I produce and research episodes for *Bright Lights, Big Sauga*, a podcast exploring the intersection of Mississauga, academia, and human stories and offering a unique and personal experience of the University of Toronto Mississauga based on host Dr. Claire Carver-Dias's vision and experiences, but featuring voices of students, staff and faculty, as well as external experts and researchers.
- Podcast page on SoundCloud is at https://soundcloud.com/blbb
- Episodes are available on iTunes.

Interviewee

- Was interviewed for the episode "The Second Ehrlich-Simon Wager with Joanna Szurmak" with Garrett Malcolm Petersen on Economics Detective Radio available at http://economicsdetective.com/2016/11/second-ehrlich-simon-wager-joanna-szurmak/
- This was the second-highest downloaded episode of the Economics Detective as of March 2017.