

# OLGA BUCHEL

## Postdoctoral Researcher at NECSI

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## RECENT EXPERIENCE

### Postdoctoral Researcher

#### New England Complex Systems Institute

February 2018 – Current    Boston, MA

- Visualized evolution of legal bills.
- Designed and visualized COVID-19 literature database.
- Developed numerous interactive COVID-19 maps.
- Developed global multiscale Twitter community map.
- Designed weekly human mobility maps and simulations, investigated the role of mobility in the spread on COVID-19.
- Participated in grant writing activities.
- Since the beginning of the pandemic worked on the development of interactive maps for <https://www.endcoronavirus.org> website which represents a community effort to deal with the pandemic.
- Worked on the detection of segregated communities in streaming Twitter data.
- Investigated communication flows in large cities in the US.
- Worked on visualization of climate change data.
- Developed an interactive reusable Business Intelligence portal for a US 500 Fortune manufacturing company. Currently we are filing a patent for this visualization.
- Developed an interactive tool for customer analytics that helps analysts investigate collective and individual behaviours of customers, and predict how long customers can continue being active. This is a model-based visualization which can also be applied to other contexts.
- Developed a visualization for public health professionals in Congo DR, that was used during the beginning of ebola outbreak in August 2018.
- Developed an interactive visualization for analysis of segregation in mobility and mentions Twitter networks in Boston.
- Worked as a Teaching Assistant in NECSI summer and winter schools on Complexity.
- Studied complex systems methods that can be applied to the analysis of human behaviours.

### Analyst/ Visualization Designer

#### SiTechnologyGroup, Inc.

July 2015 – January 2017    London, ON

- Developed map-based visualizations from clinical data for epidemiologists (Global Outbreaks project).

## PATENTS

Bar-Yam, Y., Hedayatifar, L., Akhavan, A., Buchel, O., Shen, C., Morales, A. (2019). Provisional patent application: Advanced systems and methods for Big Data analytics.

## EDUCATION

Ph.D. in Library and Information Science with specialization in Information Visualization

#### Faculty of Information and Media Studies, Western University

September 2004 – May 2012

M.S. in Library and Information Science

#### Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign, Urbana-Champaign, IL

July 2000 – August 2001

## DATA SKILLS

- Databases: MySQL, Microsoft SQL Server, Oracle, Mongo DB.
- Data Collection: SQL skills, APIs, web scraping.
- Data Analysis: Working knowledge of machine learning and/or predictive modeling: basket analysis, customer churning with deep learning modeling, Markov chains, time series analysis, analysis of customer dynamics, anomaly detection with machine learning algorithms, dimension reduction techniques (PCA, MDS, t-SNE), regression models, classification trees, random forests, text analytics (topic modeling, sentiment analysis, text classification), geospatial and network modeling, retrieval models.
- Tools: R, SPSS, Python.
- Data Visualization: Working knowledge of visualization techniques, concepts, tools as well as simulation modeling tools.
- Tools: D3.js, jQuery, Node.js, JavaScript, R, Google Maps, gephi, QGIS, Python, Tableau, Amazon Quicksight.
- Web Design: Working knowledge of JavaScript and CSS frameworks such as Foundation, MERN/MEAN.

## CITIZENSHIP

Canada: citizen

# EXPERIENCE (CONTINUED)

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## Analyst/ Visualization Designer

### Counting Opinions, Inc.

📅 June 2013 – July 2015

📍 Toronto, ON

- Collected requirements for Summer Reading Clubs dashboards.
- Conceptualized user tasks for Reading Clubs' dashboards.
- Developed a custom reporting tool for managing Summer Reading Clubs data collected by public libraries.
- Developed an interactive map-based directory of libraries for the State of Michigan.
- Developed a visualization of comments from surveys submitted by public library patrons.
- Updated Google Maps(GM) mashups developed in GM version 2 to GM version 3.

## Postdoctoral Researcher

### Faculty of Information and Media Studies, UWO

📅 February 2012 – July 2012

📍 London, ON

- Explored the influencing factors of decision-making in a distributed team project
- Cross-Cultural Context in Trojan UV Conducted ethnographic observations and interviewed study participants about decision making in cross-cultural contexts. Team: Dr. Lu Xiao, Dr. Jenn Martin, Ella Huang

## Instructional Designer

### Faculty of Health and Rehabilitation Sciences, UWO

📅 July 2011 – September 2011

📍 London, ON

- Purchased software for lecture presentations, video sharing, and synchronous teaching.
- Updated course websites in WebCT
- Helped with setting up synchronous learning environments

## Graduate Research Assistant

### Faculty of Information and Media Studies, UWO

📅 January 2009 – May 2009

📍 London, ON

- Designed forms and a database in MS Access; installed Linux, Apache, and PHP on a server; conducted semantic analysis of collected data; designed a software program for scraping RSS files Team: Dr. Victoria Rubin and Language and Information Technologies Research Lab

## Programmer

### VPR funded project Cataloging Models For Geosciences, SIRL, University of Arizona at Tucson

📅 January 2002 – June 2002

📍 Tucson, AR

- Developed a research tool for analyzing geospatial models and worked on the classification schema for cataloging hydrology models Team: Dr. Anita Coleman

## Research Associate

### ADEPT, Alexandria Digital Library Prototype Project, NSF – Digital Library Initiative 2, Department of Computer Science, University of California

📅 May 2001 – March 2003

📍 Santa Barbara, CA

- Developed Knowledge Base and self-organizing concept/topic maps for undergraduate students studying physical geography.
- Developed ADEPT Catalog, using ADEPT/DLESE/NASA metadata standard; cataloged learning objects
- Built controlled vocabularies for physical geography class

## Library Assistant III

### Collection Management Initiative project, the University of California system-wide research project on usage of digital and print versions of selected journal titles funded by the Andrew W. Mellon Foundation

📅 June 2001 – August 2001

📍 Library Administration Department, UC Santa Barbara, CA

- Developed a program in C++ for automated parsing of serials MARC records for downloading them into a project database and later analyzing their usage

## Library Assistant II

### Technical Services Cost Study project, Library Administration Department

📅 June 2001 – August 2001

📍 UC Santa Barbara, CA

- Processed and analyzed sample data collected from technical services about productivity, tasks and associated costs over the period of time from 1998-2001. Completed statistical analyses of data for participating in the cost study libraries Cornell, Iowa State, Vanderbilt, and UCSB

# TEACHING EXPERIENCE

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## Professor (part time)

### Fanshawe College, Faculty of Arts Media and Design

📅 January 2016 – April 2016

📍 London, ON

- Taught Multimedia Authoring class. I taught students to develop interactive web sites using JavaScript, CSS, HTML, PHP, and Ajax.

## Instructor

### Library Juice Academy

📅 January 2013, January 2015, November 2015

📍 online

- Taught workshops Google Maps mashups and Visual Analytics with D3.js. Responsible for designing curriculum, lecturing, conducting labs and assigning grades

## Limited Duties Instructor

### Faculty of Information and Media Studies, UWO

📅 Fall 2013

📍 London, ON

- Taught Geospatial Data Class. Responsible for designing curriculum, lecturing, conducting labs, holding office hours and assigning grades

## Limited Duties Instructor

### Faculty of Information and Media Studies, UWO

📅 Fall 2012

📍 London, ON

- Taught Online Searching Class a required class for MLIS students. Responsible for designing curriculum, lecturing, conducting labs, holding office hours and assigning grades

## Limited Duties Instructor

### Faculty of Information and Media Studies, UWO

📅 Summer 2010, Fall 2011

📍 London, ON

- Taught Geodigital Libraries Class. Responsible for designing curriculum, lecturing, conducting labs, holding office hours and assigning grades

## Graduate Teaching Assistant

### Faculty of Information and Media Studies, UWO

📅 September 2004 December 2010

📍 London, ON

- Coordinated labs with lectures, designed and graded labs, assignments, and exams, maintained web sites in WebCT for a variety of graduate and undergraduate classes, including Research methods, Information Systems and Technology, Information and its Contexts, Introduction to Information Retrieval, The Matter of Technology, The Meaning of Technology: Exploring the Relationship Between Technology and Society

# PUBLICATIONS

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- Buchel, O., Ninkov, A., Cathel, D., Bar-Yam, Y., Hedayatifar, L. (2021) Strategizing COVID-19 lockdowns using mobility patterns. R. Soc. open sci. 8210865210865.
- Atyabi, F.S., Buchel, O., Hedayatifar, L. (2020). Driver countries in global banking network. Entropy 2020, 22(8), 810. <https://doi.org/10.3390/entropy22080810>
- Sert, E., Hedayatifar, L., Rigg, R.A., Akhavan, A., Buchel, O., Saadi, E.D., Kar, A.A., Morales, A.J. and Bar-Yam, Y. (2020). Freight time and cost optimization in complex logistics networks. Complexity. Volume 2020. Article ID 2189275.
- Schotter, A., Buchel, O., Lukoianova, T. (2018). Interactive visualization for research contextualization in international business. Journal of World Business, 2018, 53 (3). DOI: <https://doi.org/10.1016/j.jwb.2018.03.001>
- Stallkamp, M., Pinkham, B., Schotter, A., Buchel, O. (2017). Core or periphery? The effects Of country-of-origin agglomerations on the within-country expansion Of MNEs. Journal of International Business Studies. DOI: <https://doi.org/10.1057/s41267-016-0060-x>
- Ola, O., Buchel, O., Sedig, K. (2016). Exploring the spread of Zika: Using interactive visualizations to control vector-borne diseases. International Journal of Disease Control and Containment for Sustainability. Volume 1, Issue 1: 47-68.
- Buchel, O., Sedig, K. (2014). Making sense of document collections with map-based visualizations: Interacting with representations. Information Research, 19(3).

- Ola, O., Buchel, O., Sedig, K. (2016). Exploring the spread of Zika: Using interactive visualizations to control vector-borne diseases. *Journal Contents: International Journal of Disease Control and Containment for Sustainability (IJDCCS)*. Volume 1, Issue 1: 47-68.
- Buchel, O., Sedig, K. (2014). Making sense of document collections with map-based visualizations: Interacting with representations. *Information Research*, 19(3).
- Buchel, O., Sedig, K. (2011). Extending map-based visualizations to support visual tasks: The role of ontological properties. *Knowledge Organization Journal* 38(3), 204-230.
- Buchel, O., Hill, L. (2009). Treatment of georeferencing in knowledge organization systems: North American contributions to integrated georeferencing. *North American Symposium on Knowledge Organization (NASKO)*. Syracuse, NY. This paper was selected for publication in *Knowledge Organization (Special Issue: The Best of NASKO 2009)* as one of the best papers at NASKO.
- Buchel, O., Coleman, A. (2003). How can classificatory structures be used to improve science education? *Library Resources and Technical Services* 47(1).

## BOOK CHAPTERS

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- Buchel, O., Hedayatifar, L. (forthcoming in 2022). Geospatial multiscale communication networks in social media. In L. Sloan and A. Quan-Haase (Eds.) *Handbook of Social Media Research Methods*. Thousand Oaks, CA: Sage Publications. 2nd ed.
- Buchel, O., Pennington, D. (forthcoming in 2022). Geospatial analysis. In L. Sloan and A. Quan-Haase (Eds.) *Handbook of Social Media Research Methods*. Thousand Oaks, CA: Sage Publications. 2nd ed.
- Buchel O., Hedayatifar L., Bar-Yam Y. (2021). The Role of Mobility Patterns in the Formation of Bubbles During COVID-19 Pandemic. In M. Bahrami, A. J. Morales, and J. Norman (Eds.) *COVID-19: A Complex Systems Approach*. Cambridge, MA: STEM Academic Press.
- Buchel, O., Pennington, D. (2016). Geospatial analysis. In L. Sloan and A. Quan-Haase (Eds.) *Handbook of Social Media Research Methods*. Thousand Oaks, CA: Sage Publications.
- Ola, O., Buchel, O., Sedig, K. (2015). Interactive visualizations as decision support Tools in developing nations: the case of vector-borne diseases. In Sheikh, M., Mahamoud, A., Househ, M. (Eds.) *Public Health. Transforming Public Health in Developing Nations*, Philadelphia, PA: IGI Global, chapter 15: 329-353.
- Buchel, O. Sedig, K. (2014). From data-centered to activity-centered geospatial visualizations. In Huang, T. and Huang, W. (Eds.), *Innovative Approaches of Data Visualization and Visual Analytics*, Philadelphia, PA: IGI Global, chapter 13: 266- 277.
- Buchel, O. (2014). Telling stories with Google Maps mashups. In Engard, N. (Ed.) *More Library Mashups: Exploring New Ways to Deliver Library Data*, Medford, NJ: Information Today, Inc., chapter 12: 181-196.
- Buchel, O. (2012) Designing and visualizing faceted geospatial ontologies from library knowledge organization systems. In Neal, D. (Ed.) *Indexing and Retrieval of Non-Text Information*, Berlin: deGruyter, chapter 11: 263-286.

## CONFERENCE PROCEEDINGS

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- Buchel, O., Lukoianova, T. (2014). Sensemaking within datasets of political and business events. Provenance for sensemaking workshop, *Proceedings of IEEE VIS 2014*, Nov.10, 2014, Paris, France.
- Buchel, O. (2014). How can geographic information retrieval benefit from geovisualization principles? " *Proceedings of iConference 2014*.
- Xiao, L., Buchel, O. (2014). "Factors Influencing Trojan UV Distributed Team Project DecisionMaking Processes in Cross-Cultural Context." *Proceedings of iConference 2014*.
- Xiao, L., Buchel, O., Huang, D. Y. (2014). The Role of Teams Communication Practices in Between-Team Decision Making Activities. *Proceedings of iConference 2014*. Buchel, O. (2013). Redefining geobrowsing. *Proceedings of the American Society for Information Science and Technology*, 50(1), 1-10.
- Buchel, O., Xiao, L., (2013). Supporting reflection in online education with visualization of lecture notes. *The 13th IEEE International Conference on Advanced Learning Technologies (ICALT)* (Jul. 15 18th, Beijing, China), accepted but withdrawn from proceedings due to travel issue.
- Xiao, L., Buchel, O., Martin, J., Huang, D. Y. (2014). Towards Understanding of Contextual Factors in Information Sharing Behaviors of Inter-Team Activities. *42nd Annual Conference of Canadian Association for Information Science Inaugural Librarians' Research Institute Symposium* (May. 28 - 30, St. Catharines, Ontario), [www.cais-acsi.ca/ojs/index.php/cais/article/view/913](http://www.cais-acsi.ca/ojs/index.php/cais/article/view/913).
- Kipp, M., Buchel, O., Beak, J., Choi, I., Rasmussen, D. (2013). User motivations for contributing tags and local knowledge to the Library of Commons Flickr collection. *41st Annual Conference of Canadian Association for Information Science 2013*.
- Kipp, M., Buchel, O., Rasmussen, D. (2012). Exploring Digital Information Using Tags and Local Knowledge. *ASIST Proceedings 2011*. Fischer, E., Buchel, O. (2012). Can interactive map-based visualizations reveal contexts of scientific datasets? *40ieth Annual Conference of Canadian Association for Information Science*, <http://www.caisacsi.ca/ojs/index.php/cais/article/download/628/387>.
- Buchel, O., Sedig, K. (2011). Using map-based visual interfaces to facilitate knowledge discovery in digital libraries. *ASIST Proceedings 2011*. Buchel, O. (2011). Designing map-based visualizations for collection understanding. *Proceedings of Joint Conference on Digital Libraries 2011*.
- Buchel, O. (2006). Uncovering hidden clues about geographic visualization in LCC. *Proceedings of Ninth International Society for Knowledge Organization Conference Knowledge Organization for a Global Learning Society*, Vienna, Austria.
- Smith, T. S., Ancona D., Buchel O.A., Freeston M., Heller W., Nottrott R., Tierney T., and Ushakov A. (2003). The ADEPT concept-based digital learning environment. *7th European Conference on Digital Libraries 2003*, Trondheim, Norway, Springer-Verlag.

- Smith, T. R., Zeng, M.L., Agapova, O., Buchel, O.A., Freeston, M., Frew, J., Hill, L.L., Smart, L., Tierney, T., Ushakov, A. (2002). Structured models of scientific concepts for organizing, accessing, and using learning materials. Joint Conference on Digital Libraries 2002 (JCDL 2002), Portland, Oregon.
- Hill, L. L., Buchel, O., Jane, G., and Zeng, M. L. (2002). Integration of knowledge organization systems into digital library architectures: Position paper. Proceedings of Advances in Classification Research, the 13th ASIST SIG/CR Workshop on "Reconceptualising Classification Research," Philadelphia, PA.
- Coleman, A., Smith, T.R., Buchel, O.A., and Mayer, R.E. (2001). Learning spaces in digital libraries. 5th European Conference on Advanced Research and Technology for Digital Libraries, Darmstadt, Germany, Springer-Verlag.

## PRESENTATIONS

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- Buchel, O. Hedayatifar, L., Zangeneh, P., Morales, A. (2021, September). Geospatial Relationships panel discussion. NKOS Consolidated Workshop. <https://nkos.slis.kent.edu/2021NKOSworkshop/NKOS-2021-Program.html>
- Buchel, O. (2021, April 7). Geospatial Analytics of Mobile communities today and beyond. (2021). Research, Innovation, Scholarship, Entrepreneurship (RISE). Georgian College, Barrie, ON.
- Buchel, O., Hedayatifar, L. (2021, January) SafeGraph Webinar: Strategizing COVID-19 Lockdowns Using Mobility Patterns.
- Buchel, O., Hedayatifar, L. (2020, August 5). COVID-19 visualizations of disease spread and human behaviors for effective policy making. SIG AH Virtual Symposium: Data Curation and Visualization in the Arts and Humanities.
- Buchel, O., Vashchilko, T. (2020). Economic Cores and Peripheries in Complex Cities. ICCS 2020.
- Atyabi, F.S., Buchel, O., Hedayatifar, L. (April 2020). Evolution of Global banking. NERCCS 2020: Third Northeast Regional Conference on Complex Systems, Buffalo, NY.
- Atyabi, F.S., Buchel, O., Hedayatifar, L. (October 2019). Classification of countries in global banking network. 2019 International Conference on Complex Systems, Singapore, Nanyang Technological University.
- Zhitomirsky-Geffet, M., Prebor, G., Buchel, O., Bouhnik, D. (July 2018). A New Methodology for Error Detection and Data Completion in a Large Historical Catalogue Based on an Event Ontology and Network Analysis. DH 2018 conference, Mexico City.
- Buchel, O., Kipp, M. (July 2018). Investigation of Library Communities on Flickr, 9th International Conference on Complex Systems.
- Zeng, M. L., Buchel, O., Busch, J. A., Hlava, M., Zumer, M. (2015). If you build it, will they come? A discussion of use cases and barriers of using the Knowledge Organization Systems (KOS) Available as Linked Open Data (LOD). 2015 Annual Meeting of the American Society for Information Science and Technology, St. Louis, MO, Nov.7-10, 2015. Panel discussion.
- August 2014 - Academy of Management Conference, organized Professional Development Workshop on Visualization.
- Buchel, O. (2014). Sensemaking within datasets of political and business events. Provenance for sensemaking workshop, IEEE VIS 2014 Workshop, Nov.10, 2014, Paris, France.
- Buchel, O. (2014). Interactive visualization. Workshop Visualization and International Management, 2014 Academy of Management Professional Development Workshop, Philadelphia, Pennsylvania, August 1, 2014.
- Buchel, O. (2014). How can geographic information retrieval benefit from geovisualization principles? " iConference 2014, Berlin, Germany, March 6, 2014.
- September 2013 - GEOMED conference (interdisciplinary conference on spatial statistics, geographical epidemiology and geographical aspects of public health), Sheeld, UK, presented a paper on visualization of medical documents.
- September 2013 - Social Media and Society conference, Halifax, NS, presented a paper on analysis of customer interactions on social media.
- Buchel, O. (2013). Redefining geobrowsing. 2013 Annual Meeting of American Society for Information Science and Technology, Montreal, QC, November, 2013. Paper presentation.
- Buchel, O. (2013). Exploring spatial health-related patterns in medical citations. GEOMED 2013, Sheffield, UK, 16-18 September 2013.
- Buchel, O., Neal, D., Kipp, M., Beak, J., Choi, I. (2013). Analyzing spatial social, and semantic dimensions of user interactions with collections on Flickr. Social Media and Society 2013, Sept.14-15, 2013, Halifax, NS, Canada.
- Buchel, O. (2013). Telling visual stories about document collections from machine readable languages. Western Interdisciplinary Student Symposium on Language Research, 2013.
- Buchel, O. (2011). Using map-based visual interfaces to facilitate knowledge discovery in digital libraries. ASIST Annual Meeting - 2011, NOLA (poster presentation), October 9, 2011.
- Buchel, O. (2011). Designing map-based visualizations for collection understanding. Joint Conference on Digital Libraries, Ottawa (poster presentation), June 14, 2011
- Buchel, O. (2011). Interactive map-based visualizations and sensemaking. THATCamp: The Humanities and Technology Camp, UWO, May 22, 2011. • Presentations (continued):
- Buchel, O. (2011). Spatial information. MLIS 9852: Images, Music, and Video: Non-text Information, Dr. Diane Neal, instructor, Faculty of Information and Media studies, UWO, March 28, 2011
- Buchel, O. (2011). Visualizing library collections for sensemaking. Joint Conference of the Association of Canadian Map Libraries and Archives (ACMLA/ACACC) Canadian Association of Public Data Users (CAPDU). Guelph, ON: University of Guelph, June 16, 2010
- Buchel, O. (2011). The role of working space representation and epistemic interactions in map-based visualizations. Connections 2010. London, ON: UWO, May 16, 2010
- Buchel, O. (2011). Crystallizing knowledge about library collections. FIMS/Faculty of Arts and Humanities/Faculty of Education Research Day, UWO, March 24, 2010
- Buchel, O. (2011). How georeferences in library classifications and bibliographic attributes in MARC can be used to crystallize knowledge about library collections? Tenth International Society for Knowledge Organization Conference Culture and Identity in Knowledge



Organization, Montreal, QC, August 7, 2008

- Buchel, O. (2011). Uncovering hidden clues about geographic visualization in LCC. Ninth International Society for Knowledge Organization Conference, Vienna, Austria, July 7, 2006
- Buchel, O. (2011). Lecture Introduction to information retrieval and XML and applications. MLIS 505A 002 Information Systems and Technology, November 7, 2006
- Buchel, O. (2011). Integration of knowledge organization systems into digital library architectures. Advances in Classification Research, 13th ASIST SIG/CR Workshop on "Reconceptualizing Classification Research," Philadelphia, PA, November 2, 2002

## WORK IN PROGRESS

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- Buchel, O. et al. (working of re-submission). Parameterized Lifepaths: Towards a Complex System Representation of Lifelines. IEEE Transactions on Visualization and Computer Graphics.
- Hedayatifar, L. et al. (working of re-submission). Universal dynamics of customer acquisition and retention. Science. (I am a co-author of this paper).
- Path dependencies in communication on Flickr. My collaborators are Margaret Kipp and Jihee Beak from the University of Wisconsin.
- Talmud Censoring communities. My collaborators are Maayan Zhitomirsky-Geffet and Gila Prebor from Bar-Ilan University.
- Analysis of library-use landscapes in the USA. In this project I use geographically-weighted regression to examine demographic and socio-economic factors affecting the use of libraries in the US.
- Understanding communication patterns between segregated communities in large cities in the US. My collaborators are Alfredo Morales and Jose Balsa from the MIT Media Lab. Paper will be submitted to the special issue "Social Polarization, Inequality and Segregation" in Sustainability journal.

## AWARDS

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- 2019: Journal of World Business 2018 Best Paper Award for the publication entitled, "Interactive visualization for research contextualization in international business," 2018, 53 (3). This award was shared with Andreas Schotter and Tatiana Vashchilko.
- 2013: Travel Award to attend 2013 International Conference on Social Media and Society
- 2011: Graduate Thesis Research Award, UWO
- 2004-2009: Special University Scholarship (for the period of four years)
- 2004-2009: UWO Tuition Scholarship award
- 2008: Faculty of Information and Media Studies Travel Fund to attend ISKO conference, August 5-8, 2008, in Montreal, QC
- 2006: Faculty of Information and Media Studies Travel Fund to attend the 'Knowledge Organization for a Global Learning Society' conference, July 5-7, 2006, in Vienna, Austria
- 2001: LITA/Christian Larew Memorial Scholarship (one of two scholarships available to international students) awarded at LITA, ALA conference in San Francisco, June 2001

## SERVICE

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- To the profession: reviewed journal articles, book chapters, conference papers for: Knowledge Organization, Special Issue on Networked Knowledge Organization Systems (NKOS) in IJDL, Handbook on Social Media Research (book), Journal of Digital Information, Indexing and Retrieval of Non-Text Information (book), CAIS 2012 conference, Informatics journal (published in Inginiare: Revista chilena) de ingeniería, International Journal of Geo-Information.
- To the Faculty of Information and Media Studies, UWO:
  - 2008 – 2009: Committee Member, LIS Doctoral Program Committee
  - 2008 – 2009: Committee Member, Appointments Committee
  - 2008 – 2009: Vice-President, Library and Information Science Doctoral Students Association