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EMPLOYMENT

Dec. 2011 – present	University Research Professor, *Memorial University of Newfoundland*
Sept. 2002 – present	Professor (Cross-appointment), Department of Computer Science, *Memorial University of Newfoundland*
Sept. 2001 – present	Professor, Faculty of Business Administration, *Memorial University of Newfoundland*
July 2008 – August 2012	Associate Dean, Research, Faculty of Business Administration, *Memorial University of Newfoundland*, St. John's, NF, Canada
April 2008 – May 2008	Visiting Professor, School of Business and Economics, *University of Queensland*, Brisbane, Australia
June 2003 – June 2007	Associate Dean, Research, Faculty of Business Administration, *Memorial University of Newfoundland*
Sept. 1999 – August 2002	Associate Professor (Cross-appointment), Department of Computer Science, *Memorial University of Newfoundland*
Sept. 1996 – August 2001	Associate Professor, Faculty of Business Administration, *Memorial University of Newfoundland* (Tenured, September 1, 1998)
September - December 1995	Visiting Assistant Professor of Information Systems, *The Wharton School, The University of Pennsylvania*, Philadelphia, PA, USA
July 1993 - August 1996	Assistant Professor of MIS, Faculty of Business Administration, *Memorial University of Newfoundland*
July 1991 - June 1993	Assistant Professor, Faculty of Management, *University of Manitoba*, Winnipeg, MB, Canada

EDUCATION

Ph.D. (Management Information Systems)
    (Minor: Management Science)
    The University of British Columbia, Vancouver, B.C., Canada
    Dissertation Title: A Classification Theory Based Information Systems Model

Bachelor of Commerce (Honours)
    Memorial University of Newfoundland, St. John's, Newfoundland, Canada

RESEARCH INTERESTS

Classification in Conceptual Modeling; Crowdsourcing; Information Quality; Data Management; Design Science; Recommender Systems; Artificial Intelligence; Open Information Environments.

RESEARCH CONTRIBUTIONS (Accepted or Published)

Journals

Storey, Veda, Roman Lukyanenko, Wolfgang Maass, and Jeffrey Parsons, "Explainable AI: Opening the Black Box or Pandora's Box?" ***Communications of the ACM***, 2021 (forthcoming).

Maedche, Alexander, Shirley Gregory, and Jeffrey Parsons, "Mapping Design Contributions in Information Systems Research," ***Communications of the Association for Information Systems***, 2021, 26pp (forthcoming).

Saghafi, Arash, Yair Wand, and Jeffrey Parsons, "Skipping class: improving human-driven data exploration and querying through instances," ***European Journal of Information Systems***, 2021, 29pp (forthcoming). https://doi.org/10.1080/0960085X.2020.1869507.

Lukyanenko, Roman and Jeffrey Parsons, "Design Theory Indeterminacy: What Is it, How Can it Be Reduced, and Why Did the Polar Bear Drown?" ***Journal of the Association for Information Systems***, 21(5), 2020, 1343-1369.

Bera, Palash, Pnina Soffer, and Jeffrey Parsons, "Using Eye Tracking to Expose Cognitive Processes in Understanding Conceptual Models," ***MIS Quarterly***, 43(4), 2019, 1105-1126.

Sekhavat, Yoones and Jeffrey Parsons, "CDI: Configurable Data Integration using Property Precedence Relations," ***Journal on Data Semantics***, 8(1), 2019, 1-19. https://doi.org/10.1007/s13740-019-00101-7.

Lukyanenko, Roman, Jeffrey Parsons, Yolanda Wiersma, and Mahed Maddah, "Expecting the Unexpected: Effects of Data Collection Design Choices on the Quality of User-generated Content," ***MIS Quarterly***, 43(2), 2019, 634-647. **[Best paper award, 2019; AIS Senior Scholars Best Paper Award, 2020]**

Lukyanenko, Roman, Jeffrey Parsons, and Binny Samuel, "Representing Instances: The Case for Reengineering Conceptual Modeling Grammars" ***European Journal of Information Systems***, 28(1), 2019, 68-90 https://doi.org/10.1080/0960085X.2018.1488567.

Maass, Wolfgang, Jeffrey Parsons, Sandeep Purao, Veda Storey, and Carson Woo, "Data-Driven and Theory-Driven Research in the Era of Big Data: Opportunities at the Intersection," ***Journal of the Association for Information Systems***, December 2018, 1253-1273.

Sekhavat, Yoones and Jeffrey Parsons, "The Effect of Tracking Technique on User Experience for Augmented Reality Mobile Navigation," ***Multimedia Tools and Applications***, 77(10), May 2018, 11635-11668. DOI 10.1007/s11042-017-4810-y**.**

Lukyanenko, Roman and Jeffrey Parsons, "Beyond Micro-tasks: Research Opportunities in Surveillance-focused Crowdsourcing," ***Journal of Database Management***, 2018, 29(1), 1-22.

Lukyanenko, Roman, Jeffrey Parsons, Yolanda Wiersma, Gisela Wachinger, Benjamin Huber, Robert Meldt "Representing Crowd Knowledge: Guidelines for Conceptual Modeling of User-generated Content," ***Journal of the Association for Information Systems***, 18(4), April 2017, 297-339.

Lukyanenko, Roman, Jeffrey Parsons, Yolanda Wiersma, Renee Sieber, and Mahed Maddah, "Participatory Design for User-generated Content Systems: Understanding the Challenges and Moving Forward," ***Scandinavian Journal of Information Systems***, 2016, 28(1), 37-70.

Sekhavat, Yoones and Jeffrey Parsons, "SEDEX: Scalable Entity Preserving Data Exchange," ***IEEE Transactions on Knowledge and Data Engineering***, 28(7), July 2016, 1878-1890.

Lukyanenko, Roman, Jeffrey Parsons, and Yolanda Wiersma, "Emerging Problems of Data Quality in Citizen Science," **Conservation Biology**, 2016, 30(3), 447-449.

Lukyanenko, Roman and Jeffrey Parsons, "Information Quality Research Challenge: Adapting Information Quality Principles to User-generated Content," **ACM Journal of Data and Information Quality**, 2015, 6(1), 3:1-3.

Lukyanenko, Roman, Jeffrey Parsons and Yolanda Wiersma, "The IQ of the Crowd: Understanding and Improving Information Quality in User-generated Content," **Information Systems Research**, 2014, 25(4), 669-689.

Parsons, Jeffrey and Paul Ralph, "Generating Effective Online Recommendations Using Viewing-time Weighted Preferences for Attributes," **Journal of the Association for Information Systems**, 2014, 15(8), 484-513.

Parsons, Jeffrey and Yair Wand, "Extending Principles of Classification from Information Modeling to Other Disciplines," **Journal of the Association for Information Systems**, 2013, 14(5), 245-273.

Browne, Glenn and Jeffrey Parsons, "More Enduring Questions in Cognitive IS Research," **Journal of the Association for Information Systems**, 2012, 13(12), 1000-1011.

Parsons, Jeffrey, Roman Lukyanenko, and Yolanda Wiersma, "Easier Citizen Science is Better," **Nature,** 2011, 471, 37.

Parsons, Jeffrey, "An Experimental Study of the Effects of Representing Property Precedence on the Comprehension of Conceptual Schemas," **Journal of the Association for Information Systems**, 12(6), 2011, 441-462.

Lu, Shan and Jeffrey Parsons, "Ontological Rules for UML-Based Conceptual Modeling: Design Considerations and a Prototype Implementation," **International Journal of Information Systems Modeling and Design**, 2(1), 2011, 24-44.

Allen, Gove and Jeffrey Parsons**,** "Is Query Reuse Potentially Harmful? Anchoring and Adjustment in Adapting Existing Database Queries," **Information Systems Research**, 21(1), 2010, 56-77.

Parsons, Jeffrey and Yair Wand, "Using Cognitive Principles to Guide Classification in Information Systems Modeling," **MIS Quarterly**, 32(4), 2008, 839-868.

Parsons, Jeffrey and Yair Wand, "A Question of Class," **Nature**, 455(7216), 2008, 1040-1041.

Dobing, Brian and Jeffrey Parsons, "Dimensions of UML Component Use: A Survey of Practitioners," **Journal of Database Management**, 19(1), 2008, 1-18.

Dobing, Brian and Jeffrey Parsons, "How UML is Used," **Communications of the ACM**, 49(5), 2006, 109-113.

Parsons, Jeffrey and Linda Cole, "What Do the Pictures Mean? Guidelines for Experimental Evaluation of Representation Fidelity in Diagrammatical Conceptual Modeling Techniques," **Data and Knowledge Engineering**, 55(3), 2005, 327-342.

Bajaj, Akhilesh, Dinesh Batra, Alan Hevner, Jeffrey Parsons and Keng Siau, "Systems Analysis and Design: Should We Be Researching What We Teach?" **Communications of the AIS**, 2005, 15(Article 27), 478-493.

Parsons, Jeffrey and Chad Saunders, "Cognitive Heuristics in Software Engineering: Applying and Extending Anchoring and Adjustment to Artifact Reuse," **IEEE Transactions on Software Engineering**, 2004, 30(12), 873-888.

Parsons, Jeffrey and Yair Wand, "Attribute-Based Semantic Reconciliation of Multiple Data Sources," **Journal on Data Semantics 1 (LNCS, Vol. 2800)**, 2003, 21-47.

Parsons, Jeffrey, "Effects of Local versus Global Schema Diagrams on Verification and Communication in Conceptual Data Modeling," **Journal of Management Information Systems**, 19(3), 2003, 155-183.

Gallagher, Katherine, Dale Foster, and Jeffrey Parsons, "The Medium is not the Message: Advertising Effectiveness and Content Evaluation in Print and on the Web," **Journal of Advertising**

Research, 41(4), 2001, 57-70. [Reprinted in *Canadian Advertising Research Foundation Newsletter*, October/November 2003, 1-9]

Gallagher, Katherine, Jeffrey Parsons, and Dale Foster, "A Tale of Two Studies: Replicating 'Advertising Effectiveness and Content Evaluation in Print and on the Web'," *Journal of Advertising Research*, 41(4), 2001, 71-81.

Dobing, Brian and Jeffrey Parsons, "Using the Internet to Simulate Virtual Organizations in MBA Curricula," *Journal of Information Systems Education*, 12(1), 2001, 9-14.

Dobing, Brian and Jeffrey Parsons, "Understanding the Role of Use Cases in UML: A Review and Research Agenda," *Journal of Database Management*, special issue on "Systems Analysis and Design using UML," 11(4), 2000, 28-36.

Parsons, Jeffrey and Dale Foster, "Using the Internet to Build Realism in Teaching Requirements Analysis," *Journal of Information Systems Education*, 11(3-4), 2000, 141-146.

Parsons, Jeffrey and Yair Wand, "Emancipating Instances from the Tyranny of Classes in Information Modeling," *ACM Transactions on Database Systems*, 25(2), 2000, 228-268.

Parsons, Jeffrey and Yair Wand, "Using Objects for Systems Analysis," *Communications of the ACM*, 40(12), 1997, 104-110.

Parsons, Jeffrey and Yair Wand, "Choosing Classes in Conceptual Modeling," *Communications of the ACM*, 40(6), 1997, 63-69.

Parsons, Jeffrey, "An Information Model Based on Classification Theory," *Management Science*, 42(10), 1996, 1437-1453.

Wand, Yair, David Monarchi, Jeffrey Parsons, and Carson Woo, "Theoretical Foundations for Conceptual Modeling in Information Systems Development," *Decision Support Systems*, 15(4), 1995, 285-304.

Non-refereed (invited) Journal Contributions

Dennis, Alan, Huseyin Cavosuglu, and Jeffrey Parsons, "Immersive Systems," *Journal of Management Information Systems*, 2019,36(3), 680-682 (introduction to special issue on immersive systems).

Rai, Arun, Andrew Burton-Jones, Hsinchun Chen, Alan Hevner, Wolfgang Ketter, Jeffrey Parsons, H. Raghav Rao, Sumit Sarkar, and Youngjin Yoo, "Diversity of Design Science Research," *MIS Quarterly*, 41(1), March 2017, iii-xviii (editorial).

Burton-Jones, Andrew, Peter Green, Jeffrey Parsons, and Keng Siau, "Special Issue on Ontological Analysis in Conceptual Modeling, Part 2," (editorial introduction), *Journal of Database Management*, 28(2), vii-x (introduction to the special issue).

Burton-Jones, Andrew, Peter Green, Jeffrey Parsons, and Keng Siau, "Special Issue on Ontological Analysis in Conceptual Modeling, Part 1," (editorial introduction), *Journal of Database Management*, 28(1), vii-x (introduction to the special issue).

Wiersma, Yolanda, Jeffrey Parsons, and Roman Lukyanenko, "Data Quality in Citizen Science – A Research Study," *Environmental Scientist*, August 2016, 74-78.

Iivari, Juhani, Jeffrey Parsons, and Yair Wand, "Research in Information Systems Analysis and Design: Introduction to the Special Issue," *Journal of the Association for Information Systems*, 7(8), August 2006, 509-513.

Iivari, Juhani, Jeffrey Parsons, and Alan R. Hevner, "Research in Information Systems Analysis and Design: Introduction to the Special Theme Papers," *Communications of the Association for Information Systems*, 16, 2005, 810-813.

Parsons, Jeffrey, "Empirical Research in Conceptual Modelling: Using Experiments to Understand Semantic Expression," *Wirtschaftsinformatik*, 47(2), 2005, 155-56,

Parsons, Jeffrey and Yair Wand, "Object Objections: Parsons and Wand Respond," **Communications of the ACM**, 41(6), June 1998, 26 (our response to a letter based on our December 1997 *CACM* article).

Patents

Parsons, Jeffrey and Paul Ralph, "System and Method for Estimating User Ratings from User Behavior and Providing Recommendations," US Patent Number 7,756,879, Issued July 13, 2010.

Books (edited)

Ghose, Aditya, Jennifer Horkoff, Vitor E. Silva Sousa, Jeffrey Parsons, and Joerg Evermann (Eds.), *Conceptual Modeling – ER 2021, Springer, 2021.*

Parsons, Jeffrey, Tuure Tuunanen, John R Venable, Marcus Helfert, Brian Donnellan, Jim Kenneally (Eds.) *Breakthroughs and emerging insights from ongoing design science projects: Research-in-progress papers and poster presentations from the 11th international conference on design science research in information systems and technology (DESRIST)* 2016. St. John's, Newfoundland, Canada, 2016. https://cora.ucc.ie/handle/10468/2575

Parsons, Jeffrey, Motoshi Saeki, Peretz Shoval, Carson Woo, and Yair Wand (Eds.), *Conceptual Modeling – ER 2010*, LNCS 6412, Springer, 2010. http://dx.doi.org/10.1007/978-3-642-16373-9

Book Chapters

Lukyanenko, Roman and Jeffrey Parsons, "Easier Crowdsourcing is Better: Designing Crowdsourcing Systems to Increase Information Quality," *Design Science Research Cases*, Springer Nature. 2020, 43-72.

Maass, Wolfgang, Jeffrey Parsons, Sandeep Purao, Alirio Rosales, Veda Storey, and Carson Woo, "Big Data and Theory," *Encyclopedia of Big Data*, Springer Nature, 2017, 1-4. https://doi.org/10.1007/978-3-319-32001-4_505-1.

Li, Xueming and Jeffrey Parsons, "Assigning Ontological Semantics to UML for Conceptual Modeling," in R. Chiang, W. Hardgrave, K. Siau (Eds.), *Advances in Management Information Systems: Systems Analysis and Design*, M.E. Sharpe, 2010.

Dobing, Brian and Jeffrey Parsons, "Use Cases in the UML," in K. Siau and J. Erickson (Eds.), *Principal Advancements in Database Management Technologies: New Applications and Frameworks*, IGI Global: Hershey, PA, 2010.

Dobing, Brian and Jeffrey Parsons, "Use Cases in the UML," in M. Khosrow-Pour (Ed.), *Encyclopedia of Information Science and Technology*, Idea Publishing Group: Hershey, PA, 2004 (updated and republished for a 2nd edition, 2008).

Parsons, Jeffrey, "Data Modeling," in J.Blazewicz, W.Kubiak, T.Morzy, M.Rusinkiewicz (Eds.), *Handbooks in Information Systems, Vol.3: Handbook on Data Management in Information Systems*, Springer: Berlin, 2003, 49-77.

Dobing, Brian and Jeffrey Parsons, "Understanding the Role of Use Cases in UML: A Review and Research Agenda," Chapter 19 in K. Siau (Ed.), *Advanced Topics in Database Research*, Idea Group Publishing, 2002, 367-382 (extension of conference paper cited above). Also republished as Chapter 8 in S. Valenti (Ed.), *Successful Software Engineering*, IRM Press: Hershey, PA, 111-128.

Ramesh, V., Jeffrey Parsons, and Glenn Browne, "What is the Role of Cognition in Conceptual Modeling? A Report on the First Workshop on Cognition and Conceptual Modeling," in P.P.Chen, J.Akoka,

H.Kangassalo, B.Thalheim (Eds.), *Conceptual Modeling: Current Issues and Future Directions* (Selected papers from the Workshop on Cognition and Conceptual Modeling), Springer-Verlag (Lecture Notes in Computer Science series, Volume 1565), 1999, 272-280.

Parsons, Jeffrey, Nancy Russo, and Juha-Pekka Tolvanen, "Educating Methodology Researchers: Foundational Research Issues," in N. Jayaratna and B. Fitzgerald (Eds.), *Training and Education of Methodology Practitioners and Researchers*, Springer-Verlag (1999).

Parsons, Jeffrey, "On the Relevance of Classification Theory to Database Design," in R. Fidel, C. Beghtol, B.H. Kwasnik, and P.J. Smith (Eds.) *Advances in Classification Research: Volume 5*, Medford, NJ: Information Today, Inc., 1996, 131-140.

Conference Papers

Ogunseye, Shawn and Jeffrey Parsons, "Collecting Useful Information from the Crowd: Is Experience Required?" ***International Conference on Information Systems***, forthcoming December 2021.

Castellanos, Arturo, Alfred Castillo, Monica Chiarini Tremblay, Roman Lukyanenko, Jeffrey Parsons, and Veda Storey, "Conceptual Models for ML: Reflections and Guidelines," ***Third International Workshop on Conceptual Modeling Meets Artificial Intelligence***, October 2021, 4pp.

Murphy, Ryan and Jeffrey Parsons, "Finer Granularity Means Better Data," A Crowdsourcing Lab Experiment," ***VLDB Crowd Science Workshop***, August 2021.

Ogunseye, Shawn, Jeffrey Parsons, and Doyinsola Afolabi, "Training-induced Imbalance in Crowdsourced data," ***VLDB Crowd Science Workshop***, August 2021.

Castellanos, Arturo, Alfred Castillo, Monica Chiarini Tremblay, Roman Lukyanenko, Jeffrey Parsons, and Veda Storey, "Conceptual Modeling Guidelines for Improving Machine Learning," ***AAAI Spring Symposium, Combining Machine Learning and Knowledge Engineering***, March 2021.

Ogunseye, Shawn, Jeffrey Parsons and Roman Lukyanenko, "To Train or not to Train: How Training Affects the Diversity of Crowdsourced Data," ***International Conference on Information Systems***, December 2020.

Murphy, Ryan and Jeffrey Parsons, "Where Does the Data Go? Data Modeling and Reuse in Crowdsourcing for Social Innovation," ***International Conference on Information Systems***, December 2020.

Lukyanenko, Roman, Kai Larsen, Jeffrey Parsons, Roland Mueller, Debra Vandermeer, Veda Storey, and Dirk Hovorka, "Validities in Design Science Research," ***International Conference on Design Science Research in Information Systems and Technology (DESRIST)***, Kristiansand, Norway, forthcoming December 2020. **[Best Paper Award]**

Murphy, Ryan and Jeffrey Parsons, "What the Crowd Sources: A Protocol for a Contribution-Centred Systematic Literature Review of Data Crowdsourcing Research," ***Americas Conference on Information Systems***, Salt Lake City, USA, August 2020.

Murphy, Ryan and Jeffrey Parsons, "Capturing the Forest or the Trees: Designing for Granularity in Data Crowdsourcing," ***Hawaii International Conference on Systems Sciences***, Maui, Hawaii, January 2020, 10pp.

Lukyanenko, Roman, Kai Larsen, Jeffrey Parsons, David Gefen, and Roland Mueller, "Toward creating a general ontology for research validity," ***International Conference on Conceptual Modeling***, Salvador, Brazil, November 2019.

Lukyanenko, Roman, Jeffrey Parsons, Veda Storey, Arturo Castellanos, and Monica Tremblay, "How Conceptual Modeling can Advance Machine Learning," ***Conference on Advanced Information Systems Engineering***, Rome, Italy, June 2019.

Chen, Tao and Jeffrey Parsons, "Attribute-based Personalization of Online Product Reviews," ***Winter Conference on Business Analytics***, Snowbird, Utah, March 2019, 4pp.

Asgari, Mojtaba and Jeffrey Parsons. "Topic Modeling in Twitter: An Attribute Lattice-based Approach," *Workshop on Information Technologies and Systems*, Santa Clara, CA, December 2018, 8pp.

Lukyanenko, Roman, Parsons, Jeffrey and Binny Samuel, "Artifact Sampling in Experimental Conceptual Modeling Research," *Workshop on Empirical Methods in Conceptual Modeling (EmpER)*, Xi'an, China, October 2018.

Lukyanenko, Roman, Samuel, Binny and Jeffrey Parsons, "Directions for Research on Artifact Sampling in Information Studies," *Conference on Digital Experimentation (CoDE)*, Boston, MA, October 2018.

Ogunseye, Shawn and Jeffrey Parsons, "Designing for Information Quality in the Era of Repurposable User-Generated Content," *Workshop on Cognitive Aspects of Information Systems Engineering (COGNISE)*, Tallinn, Estonia, June 2018.

Lukyananko, Roman, Jeffrey Parsons, and Veda Storey, "Modelling Matters: Can Conceptual Modeling Support Machine Learning?" *Symposium on Research in Systems Analysis and Design (SIGSAND)*, Syracuse, New York, May 2018.

Ogunseye, Shawn and Jeffrey Parsons, "Understanding the Effect of Contributor Training on Information Diversity of Crowdsourced Data," *Symposium on Research in Systems Analysis and Design (SIGSAND)*, May 2018.

Lukyanenko, Roman, Jeffrey Parsons, and Binny Samuel, "Increasing the Rigor of Information Technology Design Research Using Artifact Sampling," *Hawaii International Conference on Systems Sciences*, January 2018, 10pp.

Ogunseye, Shawn, Jeffrey Parsons, and Roman Lukyanenko, "Do Crowds Go Stale? Exploring the Effects of Crowd Reuse on Data Diversity," *Workshop on Information Technologies and Systems*, December 2017, 15pp.

Asgari, Mojtaba, Jeffrey Parsons, and Yair Wand, "Attribute Lattices: A Unified Semantic Framework for Data," *International Conference on Conceptual Modeling (Forum)*, November 2017.

Sekhavat, Yoones and Jeffrey Parsons, "SEDEX: Scalable Entity Preserving Data Exchange (Extended Abstract)," *International Conference on Data Engineering*, April 2017 (poster track for 2016 TKDE articles).

Lukyanenko, Roman, Joerg Evermann, Jeffrey Parsons, and Binny Samuel, "Toward Artifact Sampling in IS Design Research," *Workshop on Information Technologies and Systems*, December 2016.

Saghafi, Arash, Yair Wand, and Jeffrey Parsons, "Querying Instances – A Protocol Analysis Study," *Americas Conference on Information Systems*, August 2016.

Kuriakose, Jaison and Jeffrey Parsons, "Investigating the Individual Difference Predictors of the Usage of Open Source Source Code Management Tools," *SIGOPEN Pre-ICIS Workshop*, December 2015.

Kuriakose, Jaison and Jeffrey Parsons, "A Study of the Relationship Between Type, Priority, Processing Status and Size of Requirements Generated in Issue Repositories of Open Source Software Projects," *SIGOPEN Pre-ICIS Workshop*, December 2015.

Lukyanenko, Roman and Jeffrey Parsons, "Conceptual Modeling for User-generated Content: Design Principles and Demonstration," *International Conference on Conceptual Modeling*, Stockholm, Sweden, October 2015, 8pp.

Kuriakose, Jaison and Jeffrey Parsons, "How Do Open Source Software (OSS) Developers Practice and Perceive Requirements Engineering? An Empirical Study," *International Workshop on Empirical Requirements Engineering (EMPIRE)*, 8pp.

Lukyanenko, Roman and Jeffrey Parsons, "Extending Participatory Design Principles to Structured User-generated Content, *Scandinavian Conference on Information Systems*, August 2015, 237-252.

Lukyanenko, Roman and Jeffrey Parsons, "Open Modeling for User-generated Content", *Pre-ECIS Workshop on Open Research and Practice in IS*, Muenster, Germany, May 2015.

Lukyanenko, Roman, Joerg Evermann and Jeffrey Parsons, "Guidelines for Establishing Instantiation Validity in IT Artifacts: A Survey of IS Research," *International Conference on Design Science Research in Information Systems and Technology (DESRIST)*, Dublin, Ireland, May 2015, 8 pp.

Wu, Feng and Jeffrey Parsons, "Emergent Ontologies Discovered from Folksonomies," *Workshop on Information Technologies and Systems*, Auckland, New Zealand, December 2014, 10pp.

Lukyanenko, Roman, Jeffrey Parsons, and Yolanda Wiersma, "The Impact of Conceptual Modeling on Dataset Completeness: A Field Experiment," *International Conference on Information Systems*, Auckland, New Zealand, December 2014, 16pp.

Lukyanenko, Roman and Jeffrey Parsons, "Using Field Experimentation to Understand Information Quality in User-Generated Content," *Conference on Digital Experimentation*, Cambridge, USA, October 2014, 5 pp.

Parsons, Jeffrey and Yair Wand, "A Foundation for Open Information Environments," *European Conference on Information Systems*, Tel Aviv, Israel, June 2014, 9 pp.

Lukyanenko, Roman, Joerg Evermann, and Jeffrey Parsons, "Instantiation Validity in IS Design Research," *International Conference on Design Science Research in Information Systems and Technology (DESRIST)*, LNCS 8463, Miami, USA, May 2014, 321-328 [**Best Student-led Paper Award**].

Lukyanenko, Roman and Jeffrey Parsons, "Is Traditional Conceptual Modeling becoming Obsolete?" *International Conference on Conceptual Modeling*, *LNCS 8217*, November 2013, 61-73. [**Best Student-led Paper Award**].

Sekhavat, Yoones and Jeffrey Parsons, "EDEX: Entity Preserving Data Exchange," *International Conference on Data Management Technologies and Applications*, Reykjavik, Iceland, July 2013.

Parsons, Jeffrey and Yair Wand, "Cognitive Principles to Support Information Requirements Agility," *First International Workshop on Cognitive Aspects of Information Systems Engineering (COGNISE)*, LNBIP 148, Valencia, Spain, June 2013, 192-197.

Lukyanenko, Roman and Jeffrey Parsons, "Reconciling Theories with Design Choices in Design Science Research," *International Conference on Design Science Research in Information Systems and Technology (DESRIST)*, LNCS 7939, Helsinki, Finland, June 2013, 165-180.

Sekhavat, Yoones and Jeffrey Parsons, "SESM: Semantic Enrichment of Schema Mappings," *International Workshop on Data Engineering meets the Semantic Web*, ICDE Workshops, Brisbane, Australia, April 2013, 7-12.

Lukyanenko, Roman and Jeffrey Parsons, "Impact of Conceptual Modeling Approaches on Information Quality: Theory and Empirical Evidence," *International Conference on Information Quality*, Paris, France, November 2012, 5pp.

Lukyanenko, Roman and Jeffrey Parsons, "Conceptual Modeling Principles for Crowdsourcing," 1st *International Workshop on Multimodal Crowd Sensing (CrowdSens 2012)*, CIKM, Maui, HI, October 2012, 3-6.

Sekhavat, Yoones and Jeffrey Parsons, "Sliced Column-Store (SCS): Ontological Foundations and Practical Applications," *International Conference on Conceptual Modeling*, Florence, Italy, October 2012, 102-115.

Sekhavat, Yoones A. and Jeffrey Parsons, "Semantic Schema Mapping in the Presence of Property Precedence Relations," *IEEE International Conference on Semantic Computing*, Palermo, Italy, September 2012, 8pp.

Lukyanenko, Roman and Jeffrey Parsons, "Information Loss in the Era of User-Generated Data," *AIS SigIQ Workshop on Information Quality*, Shanghai, China, December 2011.

Lukyanenko, Roman and Jeffrey Parsons, "Rethinking Data Quality as an Outcome of Conceptual Modeling Choices," *Proceedings of the International Conference on Information Quality*, Adelaide, Australia, November 2011.

Lukyanenko, Roman and Jeffrey Parsons, "Unintended Consequences of Class-based Ontological Commitment," *Proceedings of the First International Workshop on Ontologies and Conceptual Modeling*, Brussels, Belgium, November 2011.

Lukyanenko, Roman and Jeffrey Parsons, "Reconceptualizing Data Quality as an Outcome of Conceptual Modeling Choices," *Ninth SIGSAND Symposium on Systems Analysis and Design*, Bloomington, IN, June 2011.

Lukyanenko, Roman, Jeffrey Parsons, and Yolanda Wiersma, "Citizen Science 2.0: Data Management Principles to Harness the Power of the Crowd," *International Conference on Design Science Research in Information Systems and Technology (DESRIST)*, Milwaukee, May 2011, 465-473.

Dobing, Brian, Joerg Evermann, and Jeffrey Parsons, "Understanding the Adoption of Use Case Narratives in the Unified Modeling Language," *International Conference on Information Systems*, December 2010, 19pp.

Anwar, Saquib and Jeffrey Parsons, "An Ontological Foundation for Agile Modeling with UML," *Americas Conference on Information Systems (AMCIS)*, Lima Peru, August 2010 (poster).

Parsons, Jeffrey and Jianmin Su, "The Instance-based Multilevel Security Model," *International Conference on Design Science Research in Information Systems and Technology (DESRIST 2010)*, *LNCS* 6105, St. Gallen, Switzerland, June 2010, 365-380. **[Nominated for best conference paper]**

Parsons, Jeffrey, "Instance-based Data Management – Is it Useful for Biodiversity Informatics Applications?" *International Workshop on Database Challenges in Biodiversity Informatics*, Linz, Austria, September 2009.

Parsons, Jeffrey and Yair Wand, "Designing Information Systems by Applying Principles of Classification," *Symposium on Research in Systems Analysis and Design*, Richmond, VA, May 2009.

Chen, Tao and Jeffrey Parsons, "Using Property Precedence to Enhance the Effectiveness of Queries on Unstructured Data," *Workshop on Information Technologies and Systems*, Paris, France, December 2008, 73-78. [**Best Conference Paper Award**]

Dobing, Brian and Jeffrey Parsons, "Understanding Use Case-Driven Development in the UML," *Symposium on Research in Systems Analysis and Design*, Provo, Utah, May 2008.

Li, Xueming and Jeffrey Parsons, "An Ontological Metamodel of Classifiers and its Application to Conceptual Modeling and Database Design," *International Conference on Conceptual Modeling (ER Conference)*, Auckland, New Zealand, November 2007, 214-228.

Li, Xueming and Jeffrey Parsons, "Ontological Semantics for the Use of UML in Conceptual Modelling," *International Conference on Conceptual Modeling (ER Conference)*, Auckland, New Zealand, November 2007, 179-184 (poster paper).

Dobing, Brian and Jeffrey Parsons, "What Practitioners Are Saying About the Unified Modeling Language," *Information Resources Management Association (IRMA) International Conference*, Vancouver, Canada, May 2007, 12 pp.

Parsons, Jeffrey and Paul Ralph, "Generating Effective Recommendations by Exploiting Viewing Time and Item Attributes," *International Conference on Design Science Research in Information Systems and Technology*, May 2007, 10 pp.

Allen, Gove and Jeffrey Parsons, "A Little Help Can Be a Bad Thing: Anchoring and Adjustment in Adaptive Query Reuse," *International Conference on Information Systems*, Milwaukee, WI, December 2006, 673-694 [**Nominated for Best Paper**].

Parsons, Jeffrey and Jianmin Su, "Analysis of Data Structures to Support the Instance-based Data Model," *International Conference on Design Science Research in Information Systems and Technology*, Claremont, CA, February 2006, 107-130.

Ralph, Paul and Jeffrey Parsons, "A Framework for Automatic Online Personalization," *Hawaii International Conference on Systems Sciences*, Hawaii, January 2006 10pp. (CD-ROM).

Dobing, Brian and Jeffrey Parsons, "Current Practices in the Use of UML," in J. Trujillo (Ed.), *Workshop on Best Practices of UML (BP-UML)*, Klagenfurt, Austria, October 2005, 2-11.

Lu, Shan and Jeffrey Parsons "Enforcing Ontological Rules in UML-based Conceptual Modeling: Principles and Implementation," in T. Halpin, K. Siau, and J. Krogstie (Eds.), *Workshop on Exploring Modelling Methods in Systems Analysis and Design (EMMSAD'05)*, Porto, Portugal, June 2005, 451-462.

Parsons, J. & Su, J., "Exploiting Instance-based Data Structures with iQL," *Workshop on Information Technologies and Systems*, Washington, DC, December 2004, 206-211.

Parsons, Jeffrey and Linda Cole, "Understanding Representation Fidelity: A Framework for Experimental Evaluation of Conceptual Modeling Techniques," *Americas Conference on Information Systems (AMCIS'04)*, August 2004, 1684-1693.

Parsons, Jeffrey, Paul Ralph, and Katherine Gallagher, "Using Viewing Time to Infer User Preference in Recommender Systems," *AAAI'04 Workshop on Semantic Web Personalization (SWP)*, July 2004, 52-63.

Su, Jianmin and Jeffrey Parsons, "iQL: A Query Language for the Instance-based Data Model," in Lachlan MacKinnon, Albert Burger, and Philip Trinder (Eds.), *British National Conference on Databases(BNCOD'21)*, Volume 2, July 2004, 52-53*. Also a software demonstration at the International Conference on Conceptual Modeling*, Tucson, AZ, November 2006.

Parsons, Jeffrey and Linda Cole, "Properties of Properties: An Experimental Examination of Property Precedence in Conceptual Modeling," in S. Hartmann and John Roddick (eds.), *Asia-Pacific Conference on Conceptual Modelling*, Conferences in Research and Practice in Information Technology, Volume 31, Dunedin, New Zealand, January 2004, 101-110.

Parsons, Jeffrey and Yair Wand, "Property-based Semantic Reconciliation of Heterogeneous Information Sources," in S. Spaccapietra, S. March and Y. Kambayashi (Eds.), *International Conference on Conceptual Modeling,* Lecture Notes in Computer Science 2503, Tampere, Finland, 2002, 351-364.

Parsons, Jeffrey and Yair Wand, "Using Property Precedence to Support Semantic Interoperability," *Workshop on Information Technologies and Systems* (WITS 2000), Brisbane, Australia, December 2000, 103-108.

Parsons, Jeffrey, Katherine Gallagher, and Dale Foster, "Messages in the Medium: An Experimental Investigation of Web Advertising Effectiveness and Attitudes toward Web Content," *Hawaii International Conference on Systems Sciences*, Maui, HI, January 2000 (CD-ROM).

Gallagher, Katherine, Dale Foster, and Jeffrey Parsons, "An Experimental Comparison of the Effectiveness of Print versus Hypertext Advertising," *Annual Conference of the Administrative Sciences Association of Canada (ASAC'99)*, Saint John, NB, June 1999, 116-125.

Parsons, Jeffrey and Chad Saunders, "Anchoring and Adjustment: Impediments to Reuse in Object-Oriented Programming?" *Workshop on Information Technologies and Systems*, Helsinki, Finland, December 1998, 197-206.

Foster, Dale and Jeffrey Parsons, "Technology-Mediated Active Learning in Information Systems Development Pedagogy: A Case Study," *Americas Conference on Information Systems*, Indianapolis, IN, August 1997, CD-ROM.

Gallagher, Katherine and Jeffrey Parsons, "A Framework for Targeting Banner Advertising on the Internet," *Hawaii International Conference on Systems Sciences*, Maui, HI, January 1997 (CD-ROM).

Parsons, Jeffrey, "An Experimental Investigation of Local versus Global Schemas in Conceptual Data Modeling," *Workshop on Information Technologies and Systems*, Cleveland, OH, December 1996, 61-70.

Parsons, Jeffrey, "On Experimental Evaluation of Classification in Information Modelling: Local versus Global Schemas," *Workshop on Evaluation of Modelling Methods in Systems Analysis and Design*, Heraklion, Greece, May 1996, 1-10.

Dobing, Brian and Jeffrey Parsons, "Using the Internet to Simulate Virtual Organizations in MBA Curricula," *Americas Conference on Information Systems*, Pittsburgh, PA, August 1995, 546-548.

Parsons, Jeffrey, "A Graphical Technique for Modeling Multi-user Data Requirements," *Hawaii International Conference on Systems Sciences: Vol. III*, Maui, HI, January1995, 273-282.

Parsons, Jeffrey, "Instance-based Primitives for Data Modeling," *Workshop on Information Technologies and Systems*, Vancouver, Canada, December 1994, 215-224.

Parsons, Jeffrey, "On the Relevance of Classification Theory to Database Design*," ASIS SIG/CR Classification Research Workshop*, October 1994, Alexandria, VA, 129-138.

Parsons, Jeffrey, "Multiple Classification and Instance-based Data Modeling," *Workshop on Information Technologies and Systems*, Orlando, FL, December 1993, 67-76.

Parsons, Jeffrey, "Classification Theory and Metamodeling," *International Summer School on Method Engineering and Metamodelling*, University of Twente, Enschede, Netherlands, May 1993, 28-30 (position paper).

Parsons, Jeffrey, "A Cognitive Foundation for Comparing Object-Oriented Analysis Methods," *Hawaii International Conference on Systems Sciences, Vol. IV: Information Systems*, Maui, HI, January 1993, 699-708.

Parsons, Jeffrey and Yair Wand, "Guidelines for Evaluating Classes in Data Modelling," (with Yair Wand)*, International Conference on Information Systems*, Dallas, TX, December 1992, 1-8.

Parsons, Jeffrey and Yair Wand, "The Object Paradigm - Two for the Price of One?" (with Yair Wand), *Workshop on Information Technologies and Systems*, Cambridge, MA, December 1991, 308-319.

NON-REFEREED CONFERENCE CONTRIBUTIONS

Conference Panels

"Research Transparency in Design Science Research," Panel Chairs: Alan Hevner and Jeffrey Parsons; Panelists: Alfred Benedikt Brendel, Roman Lukyanenko, Verena Tiefenbeck, Monica Tremblay, and Jan vom Brocke, Kristiansand, Norway, 2021.

"Big Data and Conceptual Models: Are They Mutually Compatible?" Panel Chair: Sudha Ram; Panelists: Jordi Cabot, Jeffrey Parsons, Oscar Pastor, David Toman, Robert Wrembel, *International Conference on Conceptual Modeling*, Gifu, Japan, 2016.

"Are we Close to Open Models?" Panel Chair: Heinrich Mayr; Panelists: Dmitris Karagiannis, John Mylopoulos, Jeffrey Parsons, Jose Palazzo de Olivera, Liping Zhao, *International Conference on Conceptual Modeling*, Florence, Italy, 2012.

"A Case Study in Design Science Research for Information Quality," Premier Scholar's Panel on Research Methods for IQ Work (with Allen Lee and Fiona Nah), *ICIS Sig-IQ Workshop on Information Quality*, Shanghai, China, December 2011.

"New Directions for Conceptual Modeling," Panel Chair: Jeffrey Parsons; Panelists: Antoni Olive, Sudha Ram, Gerd Wagner, Yair Wand, Eric Yu, *International Conference on Conceptual Modeling (ER 2011)*, Brussels, Belgium: November 2011.

"State-of-the-Art in Information Systems Research in Canada," Panel Chairs: Henri Barki, Izak Benbasat; Panelists: Barrie Nault, Jeffrey Parsons, Blaize Reich, *National Forum on Management*, Ottawa, ON: September 2009.

"Experimental Research on Conceptual Modeling: What Should We Be Doing and Why?", Panel Chair: Geert Poels; Panelists: Andrew Burton-Jones, Andrew Gemino, Jeffrey Parsons, Ramesh Venkataraman, *International Conference on Conceptual Modeling (ER 2006)*, Tucson, AZ, November 2006.

"Systems Analysis and Database: Should we be Researching what we Teach?", Panel Chair: Jeffrey Parsons; Panelists: Akhilesh Bajaj, Dinesh Batra, Alan R. Hevner, Keng Siau, *Americas Conference on Information Systems*, New York, NY, August 2004.

"Information Systems Research Funding in Canada: SSHRC vs. NSERC", Panel Chair: Jeffrey Parsons; Panelists: Deborah Compeau, Marie Emond, Lolan Merklinger, *Conference of the Administrative Sciences Association of Canada: Information Systems Division*, London, ON, May 2001.

"Use Cases in Object-Oriented Analysis: Protecting Users from Objects?", Panel Chair: Jeffrey Parsons; Panelists: Brian Dobing, John Cooke, Jeffrey Parsons, *Conference of the Administrative Sciences Association of Canada: Information Systems Division*, Saskatoon, SK, June 1998.

"What is the Role of Cognition in Conceptual Modeling?", Panel Chair: Ramesh Venkataraman; Panelists: Glenn Browne, Jeffrey Parsons, Sudha Ram, Ramesh Venkataraman, *Workshop on Cognition in Conceptual Modeling* (in conjunction with ER'97), Los Angeles, November 1997.

"Educating Methodology Researchers: Foundational Research Issues," Panel Chair: Jeffrey Parsons; Panelists: Jeffrey Parsons, Nancy Russo, Juha-Pekka Tolvanen, *British Computer Society Conference on Information Systems Methodologies*, Preston, England, August 1997.

"Reengineering Method Engineering," Panel Chair: Keng Siau; Panelists: Lucas Introna, Graham MacLeod, Jeffrey Parsons, and Yair Wand, *Method Engineering*96*, S. Brinkkemper, K.Lyytinen, and R. Welke (Eds.), London: Chapman-Hall, August 1996, Atlanta, GA, p. 318.

"Conceptual Modeling in Information Systems Development: Should it be Driven by Users' Needs or by Designers' Needs?", Panel Chair: Dinesh Batra; Panelists: Sjaak Brinkemper, Jeffrey Parsons, Yair Wand*, International Conference on Information Systems*, Amsterdam, Netherlands, December 1995, pp. 364-366.

"Experimental Research in Systems Development Methodologies: Opportunities and Challenges," Panel chair: Jeffrey Parsons; Panelists: Ritu Agarwal, Dinesh Batra, Iris Vessey, Yair Wand), *International Conference on Information Systems*, Vancouver, BC, December 1994, pp. 494-496.

"Foundations of Conceptual Modeling," Panel Chair: David Monarchi; Panelists: Terrence Barron, Jeffrey Parsons, Yair Wand and Carson Woo, *Workshop on Information Technologies and Systems*, New York, NY, December 1992.

Conference Presentations

Parsons, Jeffrey, "Is There a Role for Conceptual Modeling in the Age of Big Data?" *Symposium on Conceptual Modeling Education (SCME)*, October, 2018, Xi'an, China: **Invited Keynote Address**.

Lukyanenko, Roman, Yolanda Wiersma, and Jeffrey Parsons, "Finding Value through Instance-based Data Collection in Citizen Science," *Winter Conference on Business Analytics*, March 2017, Snowbird, Utah.

Lukyanenko, Roman and Jeffrey Parsons, "Increasing Quality in Citizen Science by Giving Volunteers more Data-creation Freedom," *CSCW Workshop: The Science of Citizen Science*, February 2017, Portland, Oregon.

Parsons, Jeffrey, "Data Quality in User-generated Content," *IEEE Conference on Business Informatics*, August 2016, Paris, France: **Invited Keynote Address**, Business Data Engineering Track.

Lukyanenko, Roman, Yolanda Wiersma, and Jeffrey Parsons, "Is Crowdsourced Attribute Data Useful in Citizen Science? A Study of Experts and Machines," *Collective Intelligence Conference*, June 2016, New York, New York.

Lukyanenko, Roman, Yolanda Wiersma, and Jeffrey Parsons, "The Impact of Task Design on Accuracy, Completeness and Discovery in Surveillance-based Crowdsourcing," *Collective Intelligence Conference*, June 2016, New York, New York.

Bera, Palash and Jeffrey Parsons, "Differences in Expert and Novice Conceptual Model Understanding: An Eye-tracking Study, *AIS SIGSAND Symposium on Research in Systems Analysis and Design*, May 2016, Lubbock, Texas.

Ogunseye, Shawn and Jeffrey Parsons, "The Downside of Expertise: Does Domain Knowledge have a Negative Effect on the Quality of Crowdsourced Data?, *AIS SIGSAND Symposium on Research in Systems Analysis and Design*, May 2016, Lubbock, Texas.

Chen, Tao and Jeffrey Parsons, "Extracting Product Attributes And Sentiment From Online Product Reviews," *Winter Conference on Business Intelligence*, March 2016, Snowbird, Utah.

Kuriakose, Jaison and Jeffrey Parsons, "An Enhanced Requirements Gathering Interface for Open Source Software Development Environments," *International Requirements Engineering Conference (RE)*, August 2015, Ottawa, Canada.

Lukyanenko, Roman and Jeffrey Parsons, "Beyond Task-based Crowdsourcing Database Research," *Conference on Human Computation & Crowdsourcing*, San Diego, November 2015, San Diego, California.

Kuriakose, Jaison and Jeffrey Parsons, "Difficulties and Challenges in Requirements Discovery in Open Source Software Development," *International Workshop on Cognitive Aspects of Information Systems Engineering*, Stockholm, Sweden, June 2015.

Lukyanenko, Roman, Jeffrey Parsons, and Binny Samuel, "Do We Need and Instance-based Conceptual Modeling Grammar?" *AIS SIGSAND Symposium on Research in Systems Analysis and Design*, May 2015.

Wu, Feng and Jeffrey Parsons, "What's in a Tag? Understanding the Semantics of Folksonomies," with Feng Wu, *Winter Conference on Business Intelligence*, March 2015, Snowbird, Utah.

Kuriakose, Jaison and Jeffrey Parsons, "Research Directions for Requirements Engineering in OSS Development," *Twelfth SIGSAND Symposium on Research in Systems Analysis and Design*,St. Louis, USA, May 2014.

Parsons, Jeffrey, Roman Lukyanenko, and Yolanda Wiersma, "Understanding Information Quality in Crowdsourced Data," *Winter Conference on Business Intelligence*, Snowbird, Utah, February 2014.

Lukyanenko, Roman and Jeffrey Parsons, "Impact of Conceptual Modeling Approaches on Information Completeness: Evidence from a Field Experiment," *AIS SIG Information Quality Workshop*, Milan, Italy, December 2013.

Lukyanenko, Roman and Jeffrey Parsons, "Implementing Lightweight Conceptual Modeling for User-Generated Content," *Workshop on Information Technologies and Systems*, Milan, Italy, December 2013.

Lukyanenko, Roman and Jeffrey Parsons, "Contributor-centric Information Quality for Crowdsourcing," *Pre-ICIS Workshop on Openness and Transparency Research*, Milan, Italy, December 2013.

Bera, Palash, Pnina Soffer, and Jeffrey Parsons, "How Eye Tracking Can Information the Design of Conceptual Models for Understanding," *Eleventh SIGSAND Symposium on Research in Systems Analysis and Design*, Provo, Utah, May 2013.

Anwar, Saquib and Jeffrey Parsons, "Agile Domain Modeling for Agile Systems Development – Case Study," *Tenth SIGSAND Symposium on Research in Systems Analysis and Design*, Vancouver, BC, June 2012. 4-15.

Browne, Glenn, Vijay Khatri, Richard Snodgrass, and Jeffrey Parsons, "Requirements and Conceptual Models: Theory and an Empirical Investigation," *Tenth SIGSAND Symposium on Research in Systems Analysis and Design*, Vancouver, BC, June 2012, 24-30.

Lukyanenko, Roman and Jeffrey Parsons, "Conceptual Modeling in Open-world Domains," *Tenth SIGSAND Symposium on Research in Systems Analysis and Design*, Vancouver, BC, June 2012, 63-68.

Lukyanenko, Roman and Jeffrey Parsons, "Information Loss in the Era of User-Generated Data," *AIS SigIQ Workshop on Information Quality*, Shanghai, China, December 2011.

Parsons, Jeffrey, Roman Lukyanenko, and Yolanda Wiersma, "Citizen Science 2.0: Overcoming the Participation and Data Quality Tradeoff," *The Difference that makes a Difference Workshop* Milton Keynes, UK, September 2011.

Lukyanenko, Roman and Jeffrey Parsons, "Reconceptualizing Data Quality as an Outcome of Conceptual Modeling Choices," *Ninth SIGSAND Symposium on Systems Analysis and Design*, Bloomington, IN, June 2011.

Parsons, Jeffrey and Yair Wand, "An Information Processing Model Based on Classification and its Application to Information Systems Architecture," *Proceedings of the Ninth SIGSAND Symposium on Systems Analysis and Design*, St. John's, NL, May 2010, 71-84.

Parsons, Jeffrey and Yair Wand, "Designing Information Systems by Applying Principles of Classification," *Symposium on Research in Systems Analysis and Design*, Richmond, VA, May 2009.

Chen, Tao and Jeffrey Parsons, "Effectively Querying Unstructured Data Using Hierarchies of Properties," *Winter Conference on Business Intelligence*, Salt Lake City, UT, February 2009.

Dobing, Brian and Jeffrey Parsons, "Understanding Use Case-Driven Development in the UML," *Symposium on Research in Systems Analysis and Design*, Provo, Utah, May 2008.

Gallagher, Katherine, Jeffrey Parsons, and Paul Ralph, "A System for Recommending Items Based on Viewing-Time-Weighted Preferences for Attributes," *Winter Conference on Business Intelligence*, Salt Lake City, UT, March 2008.

Parsons, Jeffrey and Yair Wand, "Applying Principles of Classification to Conceptual Modeling," *Symposium on Research in Systems Analysis and Design*, Tulsa, OK, May 2007, 29-34.

Parsons, Jeffrey and Paul Ralph, "Addressing Challenges in Inferring Preference from Single-Session Small Data Sets," with Paul Ralph, *Statistical Challenges in Electronic Commerce Research*, Stamford, CT, May 2007.

Li, Xueming and Jeffrey Parsons, "Classification in Ontology-based Conceptual Modeling: Guidelines and Design Implications," *Symposium on Research in Systems Analysis and Design*, Vancouver, BC, May 2006.

Dobing, Brian and Jeffrey Parsons, "UML in Practice: A Survey of UML Use," *Symposium on Research in Systems Analysis and Design*, St. John's, NL, June 2004.

Parsons, Jeffrey, "Understanding Representation Fidelity: A Framework for Experimental Evaluation of Conceptual Modeling Techniques," **Invited Keynote Address**, *International Workshop on Conceptual Modelling Quality*, Chicago, October 2003. Also presented at the *Third Symposium on Research in Systems Analysis and Design*, St. John's, NL, June 2004

Gallagher, Katherine, Jeffrey Parsons, and Paul Ralph, "Inferring Preferences from Viewing Time: Implications for the Design of Electronic Catalogs," *INFORMS Annual Meeting*, San Jose, CA, November, 2002.

Parsons, Jeffrey, "Crafting a Strong Research Grant Application," *Doctoral Consortium of the Conference on Advanced Information Systems Engineering*, Toronto, May 2002.

Gallagher, Katherine, Jeffrey Parsons, and Dale Foster, "Advertising or Content: Does Message Classification Affect Information Processing and Evaluation?" *Society for Consumer Psychology Annual Conference*, Seattle, WA, May 2001.

Parsons, Jeffrey, "Crafting a Strong Research Grant Application: Notes from the Trenches," *Atlantic Schools of Business Conference*, Halifax, NS, October 1999.

Parsons, Jeffrey and Chad Saunders, "Anchoring and Adjustment: Impediments to Reuse in Object-Oriented Systems Development?" *Conference on Managing Information Technologies*, Oakland University, Rochester, MI, October 1998.

Parsons, Jeffrey and Yair Wand, "Emancipating Instances from Class Tyranny," *Workshop on Cognition and Conceptual Modeling* (in conjunction with ER'97), Los Angeles, CA, November 1997.

MANUSCRIPTS UNDER REVIEW

Ogunseye, Shawn, Jeffrey Parsons, and Roman Lukyanenko, "Learned Inattention in Crowdsourcing: How Training Affects Data Diversity and Repurposability," under review at **MIS Quarterly**, submitted September 2021.

Castellanos, Arturo, Alfred Castillo, Lukyanenko, Roman, Jeffrey Parsons, Veda Storey, and Monica Tremblay, "Conceptual Modeling for Machine Learning: Improving Performance and Process Transparency using Domain Knowledge," under review at **Management Science**, submitted September 2021.

MANUSCRIPTS IN PREPARATION

Ogunseye, Shawn and Jeffrey Parsons, "Training-induced Imbalance in Crowdsourced Data," in preparation for submission.

Chen, Tao and Jeffrey Parsons, "Personalizing Online Reviews for Better Customer Decision Making," in preparation for submission.

Harris, Louise and Jeffrey Parsons, "Toward a Domain Ontology for Organizational Change," in preparation for submission.

Parsons, Jeffrey and Roman Lukyanenko, "Gig Data: Getting More from Big Data," in preparation for submission.

Wand, Yair, Jeffrey Parsons, and Alirio Rosales, "Scientific Theories as Classification Structures," in preparation for submission.

Chen, Tao and Jeffrey Parsons, "The Implicit Schema of Text: Mapping and Querying the Structure of Documents Using Property Precedence".

RECENT INVITED RESEARCH PRESENTATIONS

2020: University of Melbourne (virtual)
2020: Karlsruhe Institute of Technology (virtual)
2019: HEC – Montreal
2018: University of Texas at San Antonio
2018: University of Wisconsin at Milwaukee
2017: Claremont Graduate University
2016: Temple University

AWARDS

DESRIST Best Paper Award "Validities in Design Science Research," *International Conference on Design Science Research in Information Systems and Technology (DESRIST)*, December 2020 (with Roman Lukyanenko, Kai Larsen, Roland Mueller, Debra Vandermeer, Veda Storey, and Dirk Hovorka).

AIS SIGSAND Outstanding Contribution Award, Special Interest Group on Systems Analysis & Design, Association for Information Systems, 2020

AIS Senior Scholars Best Publication Award for the paper "Expecting the Unexpected: Effects of Data Collection Design Choices on the Quality of User-generated Content," *MIS Quarterly*, 43(2), 2019, 634-647 (with Roman Lukyanenko, Yolanda Wiersma and Mahed Maddah).

MIS Quarterly Best Paper Award for the paper "Expecting the Unexpected: Effects of Data Collection Design Choices on the Quality of User-generated Content," *MIS Quarterly*, 43(2), 2019, 634-647 (with Roman Lukyanenko, Yolanda Wiersma and Mahed Maddah).

Schöller Senior Fellow, Dr. Theo and Friedl Schöller Research Center for Business and Society, Nuremberg, Germany, 2019.

AT&T Distinguished Speaker, University of Texas at San Antonio, 2018.

ER Fellow, 2018, International Conference on Conceptual Modeling.

ACM SIGMIS Doctoral Dissertation Award, awarded to Dr. Roman Lukyanenko, 2015 (I was the PhD supervisor).

Design Science Research Award, INFORMS Information Systems Society, 2015 (with Roman Lukyanenko).

Governor General's Medal for Graduate Studies (Memorial University of Newfoundland), awarded to Roman Lukyanenko, 2015 (I was the PhD supervisor).

Dean's Research Award, Faculty of Business Administration, Memorial University of Newfoundland, 2014.

University Research Professor, Memorial University of Newfoundland, 2011.

Dean's Research Award, Faculty of Business Administration, Memorial University of Newfoundland, 2009.

Dean's Service Quality Award, Faculty of Business Administration, Memorial University of Newfoundland, March 2008.

Dean's Research Award, Faculty of Business Administration, Memorial University of Newfoundland, 1996.

RESEARCH GRANTS

A Design Theory for Observational Crowdsourcing (Principal Investigator),
Natural Sciences and Engineering Research Council of Canada
(April 2020 – March 2025: $175,000)

Gig Data: Understanding Data Repurposing and Designing for Repurposability (Principal Investigator),
Social Sciences and Humanities Research Council of Canada
(April 2020 – March 2025: $174,150)

Open Information Environments: Challenges, opportunities and principles (Principal Investigator),
Social Sciences and Humanities Research Council of Canada
(April 2015 – March 2020: $202,450)

Using concept lattices to reconcile semantic heterogeneity in data (Principal Investigator),
Natural Sciences and Engineering Research Council of Canada
(April 2015 – March 2020: $90,000)

Using classification principles to improve semantic information integration (Principal Investigator),
Natural Sciences and Engineering Research Council of Canada
(April 2010 –March 2015: $100,000)

Empirical Evaluation of Classification Guidelines in Conceptual Modeling (Co-Investigator, with Yair Wand, PI), *Social Sciences and Humanities Research Council of Canada*
(April 2009 – March 2013: $88,300)

Improving Analysis and Design of Information Systems (Co-Investigator, with Andrew Gemino, PI, and Drew Parker, Co-I), *Social Sciences and Humanities Research Council of Canada*
(April 2009 – March 2010: $64,360)

A Study of "Agile" Practices in Using the Unified Modeling Language (Principal Investigator), *Social Sciences and Humanities Research Council of Canada*
(April 2008 – March 2013: $57,088)

Information Integration Using Principles of Classification (PI), *Natural Sciences and Engineering Research Council of Canada*
(April 2009 – March 2010: $15,000)

Using Classification Principles to Support Semantic Integration in Information Engineering (PI), *Natural Sciences and Engineering Research Council of Canada*
(April 2007 – March 2009: $40,000)

Property-based Semantic Reconciliation of Heterogeneous Information Sources (PI), *Natural Sciences and Engineering Research Council of Canada*
(April 2002 – March 2006: $92,000)

Enhancing UML for Object-oriented Systems Analysis and Design: Theoretical Development and Empirical Evaluation (PI), *Social Sciences and Humanities Research Council of Canada* (April 2002 – March 2006: $84,000)

Advertising or Content? Toward a Message Classification Model (Co-investigator), *Vice-President's Research Grant (Memorial University of Newfoundland)*, (April 2004: $3,169)

Empirical Evaluation and Extension of UML Techniques for Object-Oriented Systems Analysis and Design (PI), *SSHRC General Research Grant (Memorial University of Newfoundland)*, (June 2001: $15,400

Efficiency and Usability in an Instance-based Database Management System (PI), *Natural Sciences and Engineering Research Council of Canada*
(April 1998 – March 2002: $66,880)

Empirical Evaluation of Information Modeling Techniques from the Perspective of Classification Theory (PI)*, Social Sciences and Humanities Research Council of Canada*, (April 1997 - March 2001: $52,150)

Empirical Evaluation of a Classification Theory Based System Analysis Methodology (PI), *Social Sciences and Humanities Research Council of Canada,* (April 1992 - March 1997: $32,000)

A Methodology and Tools for Instance-based Information Modelling (PI)
Faculty of Business Administration Associates Fund & Natural Sciences and Engineering Research Council of Canada, (September 1993 - August 1996: $5,000 & April 1995 to March 1998: $20,000)

Print versus Hypertext: An Experimental Study of Advertising Effectiveness (Co-investigator) *Social Sciences and Humanities Research Council of Canada*, MUN General Grant
(April 1997 – December 1999: $2,900)

TEACHING INTERESTS

Data Management, Systems Analysis and Design, Business Programming, Electronic Commerce

TEACHING EXPERIENCE

Research Methods in Management Research (Memorial University of Newfoundland, 2018): A PhD seminar covering the range of quantitative, qualitative, and modeling research methods used in management research – I was responsible for the section on modeling methods.

Data and Process Models in Information Systems Development (Memorial University of Newfoundland, 2009, 2011, 2013, 2014, 2015, 2016, 2017): A PhD seminar on current research in data and process modeling.

Special Topics in Information Management (Memorial University of Newfoundland, 2014, 2018): A PhD seminar on managing big data.

Systems Analysis and Design (Memorial University of Newfoundland, 1998 - 2003): A senior elective course in object-oriented requirements analysis, information systems design, and project management.

Data Management (The University of Pennsylvania [Wharton], Fall 1995; Memorial University of Newfoundland, 1996 – 2004, 2009, 2011, 2014, 2018, 2019): A senior elective course in database design, implementation and administration.

Information Systems (Memorial University of Newfoundland, 1996-2000; 2016): An introductory course focusing on information systems within the organization, and emphasizing transaction processing and systems development.

Managing Information Technology (Memorial University of Newfoundland: Winter 1995, 1996, 1997, 1998, 2003, 2005, 2015, 2016, 2017, 2018, 2019): A graduate seminar/case course for first year MBA students.

Business Computing Languages (The University of Pennsylvania [Wharton], Fall 1995): A senior undergraduate course for Information Systems Majors

Information Systems Analysis and Design (University of Manitoba, 1991, 1992): A senior elective course in systems development methodology.

Introduction to Management Information Systems (Memorial University of Newfoundland, 1993 - 1995; University of Manitoba, 1991-1993; University of British Columbia, 1989): Survey course to second, third, and final year undergraduates.

Introduction to Management Science (Teaching Assistant) (Memorial University of Newfoundland, 1984)

OTHER SCHOLARLY ACTIVITIES AND SERVICE

Information Systems Academic Community Leadership

Editorial Appointments

Senior Editor, *MIS Quarterly*, January 2015 – December 2020 (two terms).
Senior Editor, *Journal of the Association for Information Systems*, June 2007 – December 2014.
Guest Editor, *Journal of Management Information Systems*, Special Issue on Immersive Systems, 2019.
Associate Editor, *Information Technology and Management*, January 2013 – 2018.
Associate Editor, *Journal of Organizational Computing and Electronic Commerce*, January 2012 –
        present.
Associate Editor, *Information Systems Research*, January 2008 – December 2010.
Editorial Board Member, *Journal on Data Semantics*, 2016 – present.
Guest Associate Editor, *MIS Quarterly*, 2009, 2010, 2011.
Guest Editor, *Journal of the Association for Information Systems/Communications of the Association for
        Information Systems*, Special Joint Theme Issue on Research in Systems Analysis and Design,
        JAIS issue published Summer 2006 – CAIS issue published December 2005
        http://cais.isworld.org/articles/default.asp?vol=16&art=40.
Editorial Review Board Member, *Journal of the Association for Information Systems*, July 2002-May
        2007.
Editorial Review Board Member, *Journal of Database Management*, 2000-present, 1994 – 1997.
Special Guest Associate Editor, *Information Systems Research*, 2000.
Editorial Review Board Member, *Information Systems Review*, 1999-2001.

Track Co-chair, *IEEE Conference on Business Informatics*, Moscow, Russia, July 2019.
Track Co-chair, *Thirty-Eighth International Conference on Information Systems (Business, Data, and
        Process Modeling Track)*, San Francisco, USA, December 2018.
Associate Editor, *Thirty-Sixth International Conference on Information Systems (Design Science Track)*,
        Dublin, Ireland, December 2016.

Track Co-chair, *IEEE Conference on Business Informatics (Business Data Engineering Track)*, Paris, France, August 2016.

Associate Editor, *European Conference on Information Systems*, Istanbul, Turkey, June 2016

Associate Editor, *Thirty-Fourth International Conference on Information Systems (Research Methods Track)*, Auckland, New Zealand, December 2014.

Associate Editor, *Thirty-Third International Conference on Information Systems (Project Management and IS Development Track)*, Milan, Italy, December 2013.

Associate Editor, *Twenty-Ninth International Conference on Information Systems (Design Theory and Research Track & Alternative Systems Development Track)*, Paris, France, December 2008.

Track Co-chair, *International Conference on Information Systems (Information Systems Development Track)*, Montreal, Canada, December 2007.

Associate Editor, *Twenty-Seventh International Conference on Information Systems (Design Science Track & Alternative Approaches to Information Systems Development Tracks)*, Milwaukee, WI, December 2006.

Associate Editor, *Twenty-Sixth International Conference on Information Systems (Software Development Track)*, Las Vegas, NV, December 2005.

Associate Editor, *European Conference on Information Systems (Systems Development Track)*, Regensburg, Germany, May 2005.

Associate Editor, *Twenty-Fifth International Conference on Information Systems (Information Systems Development Track)*, Las Vegas, NV, December 2005.

Associate Editor, *Twenty-Fourth International Conference on Information Systems (Individuals, Teams, and Virtual Communities Track)*, Seattle, WA, December 2003.

Associate Editor, *Twenty-Third International Conference on Information Systems (Architecture, Systems, and Infrastructure Track)*, Barcelona, Spain, December 2002.

Associate Editor, *Twenty-Second International Conference on Information Systems*, New Orleans, Louisiana, December 2001.

Academic Association Leadership

Vice-chair, Steering Committee of the *International Conference on Conceptual Modleing*, 2020-2022.
Steering Committee Member, *International Conference on Conceptual Modeling*, 2010-present.
President, *Workshop on Information Technologies and Systems*, 2010-2012.

Conference Organization

Junior Faculty Consortium Chair, *International Conference on Information Systems* (ICIS), Copenhagen, Denmark, December 2022.

General Co-chair, *International Conference on Conceptual Modeling (ER Conference)*, St. John's, Canada, October 2021.

Program Co-Chair (with John Venable, Curtain University and Tuure Tuunanen, University of Jyvaskyla), *International Conference on Design Science Research in Information Systems and Technology (DESRIST)*, St. John's, Canada, May 2016.

Program Co-Chair (with Peretz Shoval, Ben-Gurion University and Motoshi Saeki, Tokyo Institute of Technology), *International Conference on Conceptual Modeling (ER Conference)*, Vancouver, Canada, October 2010.

Program Co-Chair (with Yufei Yuan, McMaster University), *Americas Conference on Information Systems (AMCIS)*, Toronto, Canada, August 2008.

Symposium Organizer, *Ninth Symposium on Systems Analysis and Design Research*, St. John's, NL, 2010.

Symposium Co-organizer (with Dinesh Batra, Florida International University, Ramesh Venkataraman, Indiana University), *Third Symposium on Systems Analysis and Design Research*, St. John's, NL, 2004.

Symposium Co-organizer (with Dinesh Batra, Florida International University, Ramesh Venkataraman, Indiana University; Yair Wand, University of British Columbia), *Second Miami Symposium on Systems Analysis and Design Research*, Miami, FL, 2003.

Symposium Co-organizer (with Dinesh Batra, Florida International University, Ramesh Venkataraman, Indiana University; Yair Wand, University of British Columbia), *First Miami Symposium on Systems Analysis and Design Research*, Miami, FL, March 2002.

Conference Co-chair (with Olivia Sheng, University of Arizona), *Eleventh Workshop on Information Technologies and Systems*, New Orleans, LA, December 2001.

Program Co-Chair, *Twenty-Ninth Annual Atlantic Schools of Business Conference, Information Systems Division*, Halifax, NS, October 1999.

Program Co-Chair, *Workshop on Cognition and Conceptual Modeling* (affiliated with ER'97), Los Angeles, CA, November 1997.

Division Chair, Information Systems, Administrative Sciences Association of Canada, 1997-98.

Program Chair, *Information Systems Division, 1997 Administrative Sciences Association of Canada Annual Conference (ASAC'97)*, St. John's, NF (also Editor of *Proceeding, IS Division*).

Program Committee Membership

Conference on Advanced Information Systems Engineering (CAiSE),
Tallinn, Estonia, June 2018; Ljubliana, Slovenia, June 2016; Valencia, Spain, June 2012; London, England, June 2011; Hammamet, Tunisia, June 2010; Amsterdam, Netherlands, June 2009; Montpelier, France, June 2008; Trondheim, Norway, 2007; Porto, Portugal, June 2006; Toronto, ON, May 2002.

International Conference on Data Management Technologies and Applications (DATA)
Lisbon, Portugal, July 2016;
Colmar, France, July 2015;
Vienna, Austria, August 2014.

International Workshop on Cognitive Aspects of Information Systems Engineering (COGNISE)
Ljubliana, Slovenia, June 2016;
Stockholm, Sweden, June 2015;
Thessaloniki, Greece, June 2014.

International Conference on Formal Ontology in Information Systems (FOIS)
Annecy, France, July 2016; Rio de Janeiro, Brazil, September 2014; Graz, Austria, July 2012.

International Conference on Model-driven Languages and Systems (MODELS)
Ottawa, September 2015.

International Conference on Information Systems (ICIS)
Auckland, New Zealand, December 2014.

IADIS International Conference on Information Systems (IS)
Vilamoura, Algarve, Portugal, April 2016;
Madeira, Portugal, March 2015;
Madrid, Spain, March 2014.

International Workshop on Quality of Modeling and Modeling of Quality (QMMQ)
Stockholm, Sweden, October 2015;
Atlanta, USA, October 2014.

International Workshop on Modeling and Management of Big Data (MoBiD)
Atlanta, USA, October 2014; Hong Kong, China, November 2013.

IADIS International Conference on Information Systems (Information Systems)
    Madrid, Spain, February 2014.
International Symposium on Rules (RuleML)
    Berlin, Germans, August 2015; Prague, Czech Republic, August 2014; Seattle, USA, July 2013;
    Montpellier, France, August 2012; Fort Lauderdale, USA, November 2011.
International Symposium on Rules (RuleML), Doctoral Consortium
    Fort Lauderdale, USA, November 2011.
International Workshop on Modeling and Reasoning for Business Intelligence (More-BI)
    Brussels, Belgium, October 2011.
International Workshop on Ontologies and Conceptual Modeling (OntoCom)
    Rio de Janeiro, Brazil, September 2014; Hong Kong, China, November 2013; Brussels, Belgium,
    October 2011.
Workshop on Experiences and Empirical Studies in Software Modelling (EESSMod)
    Miami, USA, October 2013; Wellington, New Zealand, October 2011.
International Conference on Data Warehousing and Knowledge Discovery (DaWAK)
    Munich, Germany, September 2014; Prague, Czech Republic, August 2013; Toulouse, France,
    September 2011.
International Workshop on Vocabularies, Ontologies and Rules for the Enterprise (VORTE)
    Vancouver, Canada, September 2013; Beijing, China, September 2012; Helsinki, Finland,
    September, 2011;
International Workshop on Evaluating Novel Approaches in Software Engineering (ENASE),
    Beijing, China, 2011; Milan, Italy, May 2009; Madeira, Portugal, May 2008; Regensberg,
    Germany, September 2007; Erfurt, Germany, September 2006.
International Conference on Conceptual Modelling (ER Conference),
    Gifu, Japan, November 2016; Stockholm, Sweden, October 2015; Atlanta, USA, October 2014;
    Hong Kong, China, November 2013; Florence, Italy, October 2012; Brussels, Belgium, October
    2011; Gramado, Brazil, November 2009; Barcelona, Spain, November 2008; Auckland, New
    Zealand, November 2007; Tucson, AZ, November 2006.
International Workshop on Foundations and Practices of UML (FP-UML)
    Brussels, Belgium, November 2011; Vancouver, Canada, November 2010; Barcelona, Spain,
    November 2008; Auckland, New Zealand, November 2007; Tucson, AZ, November 2006;
    Klagenfurt, Austria, October 2005.
International Workshop on Quality of Information Systems
    Auckland, New Zealand, November 2007; Tucson, AZ, November 2006; Klagenfurt, Austria,
    October 2005.
International Conference on Design Science Research in Information Systems and Technology (DESRIST)
    Kristiansand, Norway, August 2021; Dublin, Ireland, May 2015; Miami, USA, May 2014; Helsinki,
    Finland, June 2013; Las Vegas, USA, June 2012; Milwaukee, USA, May 2011; St. Gallen,
    Switzerland, June 2010; Philadephia, PA, May 2009; Atlanta, GA, May 2008; Pasadena, CA, May
    2007; Claremont, CA, February 2006.
Workshop on Information Technologies and Systems
    Santa Clara, CA, December 2018; Auckland, New Zealand, December 2014; Milan, Italy,
    December 2013; Orlando, USA, December 2012 (Senior PC Member); Shanghai, China,
    December 2011 (Senior PC Member); St. Louis, USA, December 2010; Phoenix, USA, December
    2009; Paris, France, December 2008; Montreal, Canada, December 2007; Milwaukee, WI,
    December 2006; Las Vegas, NV, December 2005; Washington, DC, December 2004; Seattle, WA,
    December 2003; Barcelona, Spain, December 2002; Brisbane, Australia, December 2000;
    Charlotte, NC, December 1999; Helsinki, Finland, December 1998; Vancouver, BC, December
    1994; Orlando, FL, December 1993.

Workshop on Web Information Systems Engineering (WISE)
>Brisbane, Australia, November 2004; Rome, Italy, December 2003.

INFORMS Computing Society Conference
>Pheonix, Arizona, January 2003.

INFORMS Conference on Information Systems and Technology
>Atlanta, GA, November 2003; San Jose, CA, November 2002; Miami Beach, FL, November 2001.

International Workshop on Conceptual Modeling Quality (with ER'02)
>Chicago, IL, October 2003; Tampere, Finland, October 2002.

IFIP 8.2 Working Conference on Information Systems Methodologies
>Boise, Idaho, July 2001.

Workshop on the Evaluation of Modeling Methods in Systems Analysis and Design
>Trondheim, Norway, June 2007; Luxembourg, June 2006; Porto, Portugal, June 2005; Riga, Latvia, June 2004; Velden, Austria, May 2003; Toronto, ON, June 2002; Interlaken, Switzerland, June 2001; Stockholm, Sweden, June 2000; Heidelberg, Germany, June 1999; Pisa, Italy, June 1998.

International Conference on Information Systems
>Milan, Italy, December 2013; Charlotte, North Carolina, December 1999; Atlanta, GA, December 1997

International Conference on Conceptual Modeling
>Singapore, November 1998; Los Angeles, CA, November 1997.

Granting Council Committee Membership

Industrial Research Chair Site Visit Committee, University of Waterloo, Natural Sciences and Engineering Research Council of Canada, 2017.

Industrial Research Chair Site Visit Committee, Laval University, Natural Sciences and Engineering Research Council of Canada, 2017.

Collaborative Research and Development Grant Site Visit Committee, Natural Sciences and Engineering Research Council of Canada, 2017.

Industrial Research Chair Site Visit Committee, Natural Sciences and Engineering Research Council of Canada, 2016.

Insight Grants Adjudication Committee (Innovation, Leadership & Prosperity), Social Sciences and Engineering Research Council of Canada, 2012-2015 (**Chair**: 2014, 2015).

Standard Research Grants Adjudication Committee (Committee 29), Social Sciences and Engineering Research Council of Canada, 2011.

Strategic Network Grant Review Panel (Business Intelligence Network), Natural Sciences and Engineering Research Council of Canada, **Chair:** 2008

Discovery Accelerator Supplement Grant Selection Committee Member, Natural Sciences and Engineering Research Council of Canada, **Chair:** 2007, 2008.

Industrial Engineering Grant Selection Committee Member, Natural Sciences and Engineering Research Council of Canada, 1998-2001, **Chair:** 2000-2001.

Engineering and Physical Sciences Research Council (UK): Peer Review College Member, 2003-2006.

Doctoral Consortia Involvement

Faculty Mentor, *Doctoral Consortium of the International Conference on Information Systems*, Austin, TX, December 2021.

Faculty Mentor, *Doctoral Consortium of the Americas Conference on Information Systems*, Chicago, IL, August 2013.

Faculty Mentor, *Doctoral Consortium of the International Conference on Information Systems*, Phoenix, AZ, December 2009.

Accompanying Faculty, *Doctoral Consortium of the Conference on Advanced Information Systems Engineering (CAISE'03) Doctoral Consortium*, Velden, Austria, May 2003.

Accompanying Faculty, *Doctoral Consortium of the Conference on Advanced Information Systems Engineering (CAISE'02) Doctoral Consortium*, Toronto, Canada, May 2002.

Best Dissertation Award Competition Judge, *Sixteenth International Conference on Information Systems*, Amsterdam, NL, December 1995.

Participant, *Doctoral Consortium of the Tenth International Conference on Information Systems*, Boston, MA, December 1989.

Awards Committee Membership

ER Fellow Awards Committee, 2020-2021 (Chair 2019).

WITS Doctoral Dissertation Award Committee, 2021.

Chair, INFORMS ISS Design Science Award Jury, 2017-2019.

Member, INFORMS ISS Design Science Award Jury, 2016.

Member, Best Paper Awards Committee, *Workshop on Information Technologies and Systems*, 2015.

Chair, Best Paper Awards Committee, *Workshop on Information Technologies and Systems*, 2012.

Member, Best Dissertation Awards Committee, *International Conference on Information Systems (ICIS)*, St. Louis, Missouri, 2010.

Chair, Best Paper Awards Committee, *Workshop on Information Technologies and Systems (WITS)*, Phoenix, Arizona, 2009.

Chair, Best Paper Awards Committee, *Design Science Research in Information Systems and Technology Conference (DESRIST)*, Philadelphia, USA, 2009.

Management Information Systems Academic Reviewing (ongoing)

Communications of the ACM; *Management Science*; *MIS Quarterly*; *Information Systems Research*; *IEEE Transactions on Software Engineering*; *IEEE Software*; *Journal of Management Information Systems*; *Organization Science*; *Data and Knowledge Engineering*; *European Journal of Information Systems*; *Journal of the Association for Information Systems*; *Journal of Database Management*; *Decision Support Systems*; *IBM Systems Journal*; *Journal of Organizational Computing*; *International Journal of Human-Computer Studies*; *Data Base*; *Canadian Journal of Administrative Sciences*; *Information Systems Review*; *Information Systems.*

International Conference on Conceptual Modeling; *Workshop on the Evaluation of Modeling Methods in Systems Analysis and Design*; *Workshop on Information Technologies and Systems*; *Hawaii International Conference on Systems Sciences*; *International Conference on Information Systems*; *Administrative Sciences Association of Canada Annual Meeting*; *AIS Americas Conference on Information Systems.*

Research grant applications: Natural Sciences and Engineering Research Council of Canada (NSERC) and Social Sciences and Humanities Research Council of Canada (SSHRC).

Graduate Student Supervision (* indicates graduated)

PhD Thesis Supervisor, Sanaz Nabavian (crowdsourcing), Memorial University of Newfoundland, September 2019-present.

PhD Thesis Supervisor, Aida Khosh Raftar Nouri (conceptual modeling), Memorial University of

Newfoundland, January 2019-present.

PhD. Thesis Supervisor, Ryan Murphy (design science), Memorial University of Newfoundland, September 2017 – present.

PhD Thesis Supervisor, Louise Harris (conceptual modeling), Memorial University of Newfoundland, September 2017-March 2021.*

Ph.D. Thesis Supervisor, Mojtaba Asgari (information integration), Memorial University of Newfoundland, September 2013 – April 2020.*

Ph.D. Thesis Supervisor, Shawn Ogunseye (conceptual modeling), Memorial University of Newfoundland, September 2014 – October 2019.*

Ph.D. Thesis Supervisor, Tao Chen (data analytics), Memorial University of Newfoundland, September 2010 – September 2019 (part-time student).*

Ph.D. Thesis Supervisor, Jaison Kuriakose (requirements analysis), Memorial University of Newfoundland, September 2012 – December 2016.*

Ph.D. Thesis Supervisor, Yoones Sekhavat, Computer Science (data management), Memorial University of Newfoundland, September 2009 – October 2014.*

Ph.D. Thesis Supervisor, Roman Lukyanenko (conceptual modeling and information quality), Memorial University of Newfoundland, September 2010 – August 2014.*

Ph.D. Thesis Supervisor, Saquib Anwar, Information Systems (conceptual modeling), Memorial University of Newfoundland, September 2009 – August 2014.

Ph.D. Thesis Supervisor, Yawar Sherwani, Computer Science (Semantic Web), Memorial University of Newfoundland, September 2004 – December 2008.

Ph.D. Thesis Supervisor, Jianmin Su, Computer Science (database systems), Memorial University of Newfoundland, September 2003 – May 2011.*

Ph.D. Thesis Supervisor, Xueming Li, Computer Science (software engineering), Memorial University of Newfoundland, April 2003 – September 2007.*

Ph.D. Committee member of Arash Saghafi, a doctoral student in Information Systems at the University of British Columbia, 2015-2020.*

Ph.D. Committee member of James Nelson, a doctoral student in Information Systems at the University of Colorado, Boulder, 1993-1998.*

M.Sc. Thesis Supervisor, Ashmean Sran, Information Systems (crowdsourcing), January 2020 – present.

M.Sc. Thesis Supervisor, Haniye Rezavi, Information Systems (open information environments), Memorial University of Newfoundland, September 2016 – May 2018.*

M.Sc. Thesis Supervisor, Raji Srineenivasan, Information Systems (big data), Memorial University of Newfoundland, September 2015 – April 2018.*

M.Sc. Thesis Supervisor, Safwan Mustafa, Computer Science (information integration), Memorial University of Newfoundland, September 2013 – August 2015.*

M.Sc. Thesis Supervisor, Feng Wu, Computer Science (information integration), Memorial University of Newfoundland, September 2013 – December 2014.*

M.Sc. Thesis Supervisor, Momeneh Taban, Computer Science (information integration), Memorial University of Newfoundland, September 2011 – June 2014.*

M.Sc. Project Supervisor, Alejandro Chavez, Computer Science (recommender systems), Memorial University of Newfoundland, September 2009 – August 2012.*

M.Sc. Thesis Supervisor, Tao Chen, Computer Science (Semantic Web), Memorial University of Newfoundland, September 2005 – December 2008.*

M.Sc. Thesis Supervisor, Shan Lu, Computer Science (software engineering), Memorial University of Newfoundland, September 2002 – August 2005.*

M.Sc. Thesis Supervisor, Jianmin Su, Computer Science (database systems), Memorial University of Newfoundland, January 2001 – August 2003.*

MBA Research Project Supervisor, Chad Saunders, Memorial University of Newfoundland, 1997.*

B.Sc. Honours Thesis Supervisor, Jonathan Anstey, Computer Science, Memorial University of Newfoundland, May 2003 – August 2003.*

B.Sc. Honours Thesis Supervisor, Siu-ki Leung, Computer Science, Memorial University of Newfoundland, September 1993 – May 1994.*

PhD Thesis Examiner, Daniel Begin, Geography, *Life and Death of Volunteered Geographic Information Contributors in a Large Online Community – The Case of Open Street Map*, 2018.

Service to University Community

Search Committee, Faculty of Business Administration, 2021.

Research Committee, Faculty of Business Administration, 2013-2014; 2014-2015; 2018-2019.

University Research Professor Selection Committee, Memorial University of Newfoundland, 2017.

Search Committee for the Dean of the Faculty of Business Administration, Memorial University of Newfoundland, 2016-2017.

Search Committee (Information Systems), Faculty of Business Administration, 2016-2017.

Promotion and Tenure Committee, Faculty of Business Administration, 2015-2016; 2016-2017.

Search Committee (Chair in Supply Chain Management), Faculty of Business Administration, 2015-16; 2016-2017.

Graduate Research Programs Committee, Faculty of Business Administration, 2013-2014; 2014-2015; 2015-2016.

Search Committee, Entrepreneurship, Faculty of Business Administration, 2013-2014.

Academic Council Executive, School of Graduate Studies, 2010-2011; 2011-2012.

Academic Council, School of Graduate Studies, 2009-2010; 2010-2011; 2011-2012.

CFI-LEF/NIF Internal Advisory Committee, Memorial University of Newfoundland, 2012.

Advisory Committee, Appointment of Chair in Corporate Governance and Transparency, Faculty of Business Administration, Memorial University of Newfoundland, 2012.

University Research Professor Selection Committee, Memorial University, 2010; 2012.

Awards and Medals Committee, School of Graduate Studies, Memorial University of Newfoundland, 2009-10; 2010-2011.

Search Committee for the Dean of the Faculty of Business Administration, Memorial University of Newfoundland, 2008-09.

Search Committee for the University Librarian, Memorial University of Newfoundland, 2007.

Review Committee for the Dean, Faculty of Business Administration, Memorial University of Newfoundland, 2007.

Memorial University Conflict of Interest Policy Drafting Committee, 2006.

President's Award for Outstanding Research Selection Committee, Memorial University, 2006.

Centre for Management Development Review Committee, Faculty of Business Administration, Memorial University, 2005-06.

Ph.D. Program Proposal Committee, Faculty of Business Administration, Memorial University, 2004-05 (Chair).

Ph.D. Program Feasibility Evaluation Committee, Faculty of Business Administration, Memorial University, 2003-04 (Chair).

University Research Professor Selection Committee, Memorial University, 2003.

Search Committee, Dean of School of Graduate Studies, Memorial University, 2002.

Advisory Board, Faculty of Business Administration, Memorial University, 2001-2006.

Committee on Graduate Studies, Faculty of Business Administration, Memorial University, 2001-02.

Search Committee, Faculty of Business Administration, Memorial University, 2002-2003; 2001-2002
     (Chair); 1999–2000; 1996–98 (Chair: 1997-98); 1994–95.
Search Committee, Head of Department of Computer Science, Memorial University, 2000.
Senate Committee on Research: Subcommittee to select recipients of President's Award for
     Outstanding Research, Memorial University of Newfoundland, 2000 (Chair); 1995
Senate Committee on Research, Memorial University, 1997–2000; 1994–95.
Special committee to evaluate a program in Software Engineering proposed by the Department of
     Computer Science, Memorial University, 1996–1997.
Committee on Enrolment, Memorial University, September 1996–99.
Academic Council, School of Grad. Studies, Memorial University, 1995-97.
Research Committee, Faculty of Business Administration, Memorial University, 2003-06; 1993–95.
Computing Committee member, Faculty of Business Administration, 1994–97.
Computing Committee member, Faculty of Management, University of Manitoba,
     May 1992 – June 1993.

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