Dr. Joerg Evermann
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Memorial University of Newfoundland
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Research and Teaching Interests

- Data Management and Data Integration
- Business Processes and Workflow Management
- Data Science and Predictive Modeling
- Systems Analysis and Conceptual Modelling

Academic Positions

- Associate Professor, Faculty of Business Administration, Memorial University of Newfoundland (since September 2009, tenured September 2012)
  - Cross-appointment to the Department of Computer Science (since September 2009)
- Associate Dean (Graduate Programs) (interim), Faculty of Business Administration, Memorial University of Newfoundland (Sep 2021 – Aug 2022)
- Assistant Professor, Faculty of Business Administration, Memorial University of Newfoundland. (November 2007 – September 2009)
- Lecturer in Information Systems, School of Information Management, Victoria University of Wellington. (July 2003 – November 2007)

Education

- **Ph.D.**, The University of British Columbia, Faculty of Commerce and Business Administration, Management Information Systems, 1999 – 2004 (thesis completed December, 2003)
  - **Thesis:** Using Design Languages for Conceptual Modeling: The UML Case
  - **Committee Members:** Dr. Yair Wand, Dr. Carson Woo, Dr. Gail Murphy
- **Diplom Wirt.-Inf.**, University of Münster, 1992 – 1998 (German post graduate degree in business computing)
  - **Thesis:** Process oriented development and implementation of an interface system to link decentralized MES with centralized PPC systems

Teaching Experience

With MUN

- Business Analytics (BUSI 4720): 2024, 2025

- Quantitative Methods in Management Research (BUSI 9903, PhD): 2008, 2009, 2010, 2012, 2023, 2024, 2025

- Business Computer Applications (BUSI 2720): 2025

- Modelling and Implementing Business Processes (BUSI 2710): 2011 – 2024

- Information Systems Analysis and Design (BUSI 9022, MBA): 2023

- Special Topics in Information Systems (BUSI 9918, PhD): 2011 (Workflow Management), 2022 (Machine Learning), 2023 (Reinforcement Learning, Explainable AI), 2024 (Machine Learning)

- Management Information Systems (BUSI 3700): 2008, 2009, 2011, 2020, 2022

- Introduction to Management Information Systems (BUSI 8205, MBA): 2012, 2013

- Research Methods in Management Research (BUSI 9901, PhD): 2008, 2009

- Management Science (BUSI 4401): 2008, 2009

With VUW

- Multimedia Applications in Electronic Commerce (ELCM 202): 2002

- Business to Business Electronic Commerce (ELCM 301): 2003, 2004

- System Analysis (INFO 212): 2004

- Modern System Analysis (INFO 222): 2005, 2006, 2007

- Internet Computing Databases (ELCM 306): 2004

- Internet Development Environments (ELCM 353): 2005, 2006, 2007

- Advanced Database Programming (INFO 312): 2004

- Research Methods in Information Systems (INFO 403): 2005, 2006, 2007

With UBC

- Systems Analysis and Design (COMM 436) : 2001, 2002, 2003

With Hochschule Osnabrück

- Bitcoin & Co: Blockchain Technology from First Principles to Business Applications, Governance and Unsolved Issues (one-week block seminar, May 2019)

- IT Leadership (one-week block seminar, May 2018)

Executive Education

- Business Process Management (2-day seminar at Gardiner Centre, Nov 2012)

Graduate Supervision

- Abiodun Alabi (MDSc (project))

- Seriman Doumbia (MDSc (project))

- Siddhant Dani (MDSc (project), Machine learning for trace classification, Spring 2024)

- Klara Steflova (MSc, Explainable AI for health care process prediction, since Sep 2022)

- Charles Young-Harry (MSc, co-supervision with Dr. S. Komiak, Sep 2022 – Aug 2024)

- Chris Manning (MDSc (project), Reinforcement learning for resource assignment in business processes, Spring 2023)

- Azam Abkhiz (MSc, Surface and Deep Acting and Perceived Job Insecurity for Canadians and Immigrants, co-supervision with Dr. D. Ford, May 2022 – Sep 2023)

- Asghar Mohammadi (MSc (project), Process prediction with Deep Learning, Aug-Dec 2016)

- Mehdi Razeghin (MSc, Preference-based Web Service Composition, Sep 2011 – May 2014)

- Elie Raad (Postdoc, Ontology alignment, Aug 20212 – Aug 2013)

- Muhammad Nasir (MSc, Visualization of Ontology Alignment, Jan 2010 – Apr 2014)

- Farhana Alam (MSc, Aspect-Oriented Modelling, Aug 2008 – Sep 2010)

- Jennifer Fang (MSc, Cognitive Quality of Ontologies, July 2007 – April 2009, Grade A with distinction)

- Mary Tate (PhD, E-Service Quality, Jan 2006 – Sep 2010)

- Richard Williams (PhD, Enterprise Architecture, Feb 2006 – Dec 2007)

- Mark Wilson (PhD, Visual Languages, Feb 2007 – Nov 2007)

- Riddhi Mistry (Honours, Philosophy of Science in IS development, Feb 2007 – Nov 2007)

- Haidir Halimi (Honours, Conceptual Modelling, Feb 2007 – Nov 2007)

- Jennifer Fang (Honours, Cognitive Quality of Ontologies, Feb 2006 – Nov 2006)

- Brady Thomas (Honours, Virtual worlds, Feb 2007 – Nov 2007)

- Matthew Thomas (Honours, Database integration, Feb 2007 – Nov 2007)

Professional Experience

- Technical Lead, Joint project of the MIS Division, Faculty of Commerce, UBC, and BuildDirect.com for development of a logistics system for B2B electronic commerce, Aug 2002 – Mar 2003.

- Management & SAP Consultant, KPMG Consulting GmbH, Berlin, Germany, 1998 – 1999 (Specialization in SAP Base, SAP Financials and SAP Engineering Data Management)

- Systems Analyst, ABB Power Plant Division AG, Mannheim, Germany, 1997 – 1998

- Programmer & Systems Analyst, HÖMA Maschinenbau GmbH, Hörstel Germany, 1990–1995 (part time)

Publications (Journals)

(Journal impact factors current as of Sep 14, 2020)

2025

1. del Rio Ortega, A., Beerepoot, I., van der Aa, H., Evermann, J.: Mapping Uncharted Territory. *Business Information Systems Engineering.* DOI 10.1007/s12599-025-00939-1 (Editorial to the Special Issue on Exploring the (Mis)Match Between Event Data and Reality)

2. del Rio Ortega, A., Beerepoot, I., van der Aa, H., Evermann, J.: Process Mining Without Perfect Data? Anne Rozinat Says Yes! *Business Information Systems Engineering.* DOI 10.1007/s12599-025-00938-2 (Interview for the Special Issue on Exploring the (Mis)Match Between Event Data and Reality)

2023

3. Evermann, J. and Rönkkö, M.: Rejoinder to Comments on Recent Developments in PLS. *Communications of the AIS*, 52, 760–764. DOI 10.17705/1CAIS.05236

4. Evermann, J. and Rönkkö, M.: Recent Developments in PLS. *Communications of the AIS*, 52, 663-667, DOI 10.17705/1CAIS.05229

5. Rönkkö, M., Lee, N., Evermann, J., McIntosh, C., and Antonakis, J.: Rejoinder: Fractures in the Edifice of PLS. *European Journal of Marketing*, 57(6), DOI 10.1108/EJM-07-2022-0508 (Journal Impact Factor 4.687)

6. Rönkkö, M., Lee, N., Evermann, J., McIntosh, C., and Antonakis, J.: Markting or Methodology – Exposing the Fallacies of PLS with Simple Demonstrations. *European Journal of Marketing.* 57(6), DOI 10.1108/EJM-02-2021-0099 (Journal Impact Factor 4.687)

2021

7. Evermann, J. and Kim, H.: Workflow Management on Proof-of-Work Blockchains - Implications and Recommendations. *Springer Nature Computer Science*, 2(44).

2020

8. Evermann, J. and Kim, H.: Workflow Management on BFT Blockchains. *EMISA Journal*, 15(14).

9. Mehdiyev, N., Evermann, J., Fettke, P.: A Novel Business Process Prediction Model Using a Deep Learning Method. *BISE Business and Information Systems Engineering.*, 62(2), 143–157. (Journal Impact Factor 5.837)

2017

10. Evermann, J., Rehse, J.-R., Fettke, P.: Predicting Process Behaviour Using Deep Learning. *Decision Support Systems.* 10, 129–140. (Journal Impact Factor 4.721)

2016

11. Evermann, J. and Tate, M.: Assessing the predictive performance of structural equation model estimators. *Journal of Business Research.* 69(10), 4565–4582. (Journal Impact Factor 4.874)

12. Evermann, J.: Scalable Process Discovery using Map-Reduce. *IEEE Transactions on Services Computing.* 9(3), 469–481. (Journal Impact Factor 6.112)

13. Jewer, J., and Evermann, J.: Enhancing Learning Outcomes through Experiential Learning: Using Open-Source Systems to Teach Enterprise Systems and Business Process Managament. *Journal of Information Systems Education (JISE).* 26(3), Summer 2015.

2015

14. Tate, M., Evermann, J., and Gable, G.: An Integrated Framework for Theories of Individual Attitudes Towards Technology. *Information & Management.* 52, 710–726. (Journal Impact Factor 5.155)

15. Raad, E. and Evermann J.: The Role of Analogy in Ontology Alignment: A Study on LISA. *Cognitive Systems Research* 33, 1–16. (Journal Impact Factor 1.902)

2014

16. Evermann, J. and Tate, M.: Bayesian Structural Equation Models for Cumulative Theory Building in Information Systems – A Brief Tutorial using BUGS and R. *Communications of the Association for Information Systems*, 34 (1), article 76.

17. Bera, P. and Evermann, J.: Guidelines for Using UML Association Classes and their Effect on Domain Understanding in Requirements Engineering. *Requirements Engineering Journal,* (19) 1, 63–80. (Journal Impact Factor 2.282)

2013

18. Rönkkö, M. and Evermann, J.: A Critical Examination of Common Beliefs about Partial Least Squares Path Modeling, *Organizational Research Methods* 16, 425–448. (Journal Impact Factor 5.705)

2011

19. Evermann, J. and Tate, M. Fitting Covariance Models for Theory Generation. *Journal of the Association for Information Systems.* 12(9), 632-661. (Journal Impact Factor 4.644)

2010

20. Evermann, J. Multiple group analysis using the `sem` package in the R system. *Structural Equation Modeling – A Multidisciplinary Journal.* 17(4), 677–702. (Journal Impact Factor 3.638)

21. Tate, M. and Evermann, J. The End of ServQual in Online Services Research: Where to from here? *e-Service Journal* 7(1), 60–85.

22. Evermann, J. and Fang, J. Evaluating Ontologies: Towards a Cognitive Measure of Quality. *Information Systems.* 35(4), 391-403. (Journal Impact Factor 2.466)

> *"Thank you for the very intriguing and stimulating piece of work! It has definitely contributed quite a new perspective to ontology evaluation – the field that has been searching for new fresh ideas for some time."* — Dr. Natasha Noy, Stanford University

2009

23. Evermann, J. Theories of Meaning in Schema Matching. In: Erickson, J. (ed.) *Database Technologies: Concepts, Methodologies, Tools, and Applications*, IGI Global, Hershey, PA. (republication of item 28, not separately reviewed)

24. Evermann, J. Theories of Meaning in Schema Matching: An Exploratory Study. *Information Systems.* Vol 34, 28–44, Jan 2009. (Journal Impact Factor 2.466)

25. Evermann, J. and Wand, Y. Ontology Based Object-Oriented Domain Modeling: Representing Behaviour. *Journal of Database Management*, Vol 20, No 1, pp 48–77, Jan 2009.

26. Evermann, J. A UML and OWL Description of Bunge's Upper-Level Ontology Model. *Software and Systems Modeling.* Vol 8, No 2, 235–249, February 2009.

2008

27. Evermann, J. A Cognitive Semantics for the Association Construct. *Requirements Engineering Journal*, Vol 13, No 3, 167–186, 2008. (Journal Impact Factor 2.282)

28. Evermann, J. Theories of Meaning in Schema Matching: A Review. *Journal of Database Management.* Vol 19, No 3, 55–83. 2008

29. Evermann, J. An Exploratory Study of Database Integration Processes. *IEEE Transactions on Knowledge and Data Engineering.* Vol 20, No 1, Jan 2008, 99–115. (Journal Impact Factor 4.935)

2007

30. Kim, H.M., Sengupta, A. and Evermann, J. MOQ: Web-Services Ontologies for QoS and General Quality Evaluations. *International Journal of Metadata, Semantics, and Ontologies.* Vol 2, No 5, 195–200. 2007. (republication of item 50, not separately refereed)

31. Evermann, J. A Meta-Level Specification and Profile for AspectJ in UML. *Journal of Object Technology.* Vol 6, No 7, Aug 2007.

32. Evermann, J., Hooper, V., Yoong, P. et al. The Discovery Camp: A Talent Fostering Initiative for Developing Research Students. *Journal of Issues in Informing Science and Information Technology*, Vol 4, 211–255, 20007. (republication of item 45, not separately refereed)

2006

33. Evermann, J. and Wand, Y. Ontological Modelling Rules for UML: An Empirical Assessment, *Journal of Computer Information Systems*, Vol 46, No 5, Fall 2006, 14–29. (Journal Impact Factor 1.582)

2005

34. Evermann, J. Towards a Cognitive Foundation for Knowledge Representation. *Information Systems Journal.* Vol 15, pp 147–178. 2005. (Journal Impact Factor 4.188)

35. Evermann, J. and Wand, Y. Ontology-Based Object–Oriented Business Modelling: Fundmental Concepts. *Requirements Engineering Journal*, Vol 10, Number 2, 2005, 146–160. (Journal Impact Factor 2.282)

36. Evermann, J. and Wand, Y. Towards formalizing domain modeling semantics in language syntax. *IEEE Transactions on Software Engineering*, Vol 31, No 1, Jan 2005, pp 21–37. (Journal Impact Factor 6.112)

Publications (Conference Proceedings)

2020

1. Evermann, J.: Adapting Workflow Management Systems to BFT Blockchains – The YAWL Example. *Proceedings of the 1st International Frontiers of Process Aware Information Systems (FoPAS)*, October 5, 2020.

2019

2. Jewer, J. and Evermann, J.: A Systems Model of IS Success Using Agent-Based Simulation (work in progress). *Workshop on Information Technology Adoption and Diffusion (DIGIT)*, Munich, Germany, December 15, 2019.

2017

3. Mehdiyev, N., Fettke, P. and Evermann, J.: A Multi-Stage Deep Learning Approach for Business Process Event Prediction. *19th Conference on Business Informatics (CBI)*, Thessaloniki, Greece, July 24-27, 2017.

4. Evermann, J., Rehse, J.-R., and Fettke, P.: XES Tensorflow – Process Prediction using the Tensorflow Deep-Learning Framework. *Conference on Advanced Information Systems Engineering (CAiSE) Forum*, Essen, Germany, June 12–16, 2017.

2016

5. Lukyanenko, R., Samuel, B., Evermann, J. and Parsons, J.: Toward Artifact Sampling in IS Design Research. *Workshop on Information Technology and Systems (WITS), Dublin, Ireland, 2016.*

6. Evermann, J., Rehse, J.-R., and Fettke, P.: Process Discovery from Event Stream Data in the Cloud – A Scalable, Distributed Implementation of the Flexible Heuristics Miner on the Amazon Kinesis Cloud Infrastructure. *Workshop on Business Process Monitoring and Performance Analysis in the Cloud (CloudBPM @ CloudCOM 2016 Conference).*

7. Evermann, J., Rehse, J.-R., and Fettke, P.: A Deep Learning Approach for Predicting Process Behaviour at Runtime. *International Workshop on Runtime Analysis of Process-Aware Information Systems (PRAISE @ BPM 2016 Conference).*

2015

8. Evermann, J., Thaler, T., and Fettke, P.: Clustering Traces Using Sequence Alignment. *Proceedings of the 2015 Workshop on Business Process Intelligence. Springer Lecture Notes in Business Information Processing.* 256, 179–190.

9. Lukyanenko, R., Evermann, J., and Parsons, J.: Guidelines for Establishing Instantiation Validity in IT Artifacts: A Survey of IS Research. *Design Science Research in Information Systems and Technologies Conference (DESRIST)*, May 21-22, Dublin, Ireland.

2014

10. Evermann, J. and Tate, M.: Comparing Out-of-Sample Predictive Ability of PLS, Covariance, and Regression Models. *Proceedings of the 35th International Conference on Information Systems (ICIS),* Auckland, New Zealand, December 2014.

11. Jewer, J. and Evermann, J.: Experiential Learning with an Open-Source Enterprise System. *Proceedings of the 20th Americas Conference on Information Systems (AMCIS)*, Aug 7-10, Savannah, GA.

12. Lukyanenko, R., Parsons, J. and Evermann, J.: Instantiation Validity in IS Design Research. *Design Science Research in Information Systems and Technologies Conference (DESRIST)*, May 22-23, Miami, FL.

13. Evermann, J. and Assadipour, G.: Big Data meets Process Mining: Implementing the Alpha Algorithm with Map-Reduce. *ACM Symposium on Applied Computing*, March 24–28, Gyeongju, Korea.

14. Raad, E., and Evermann, J.: Is Ontology Alignment like Analogy? Knowledge Integration with LISA. *ACM Symposium on Applied Computing*, March 24–28, Gyeongju, Korea.

2013

15. Nasir, M., Hoeber, O., and Evermann, J.: Supporting Ontology Alignment Tasks with Edge Bundling, *Proceedings of the i-KNOW International Conference on Knowlege Management and Knowledge Computing*, Graz, Austria.

16. Evermann, J.: Developing a Realistic Workflow Management Environment for Teaching: An Interface from YAWL to OpenERP. *Proceedings of the YAWL User Group Symposium*, St. Augustin, Germany, June 7th.

17. Evermann, J., Furey, M. and Hussey, T.: Using YAWL in a Business Undergraduate Course on Process Management: An Experience Report. *Proceedings of the YAWL User Group Symposium*, St. Augustin, Germany, June 7th.

2012

18. Evermann, J. and Tate, M. An ontology of structural equation models with application to computer self-efficacy. *Proceedings of the 33rd International Conference on Information Systems (ICIS)*, Orlando, FL, December 2012.

19. Evermann, J. and Tate, M. A brief note of caution on covariance-equivalent models in Information Systems. *Proceedings of the 33rd International Conference on Information Systems (ICIS)*, Orlando, FL, December 2012.

20. Evermann, J. and Tate, M. Comparing the Predictive Ability of PLS and Covariance Analysis. *Proceedings of the 33rd International Conference on Information Systems (ICIS)*, Orlando, FL, December 2012.

21. Evermann, J. Applying Cognitive Principles of Similarity to Data Integration – The Case of SIAM. *Proceedings of the 18th Americas Conference on Information Systems (AMCIS)*, Seattle, WA, August 2012.

22. Evermann, J. and Tate, M. Bayesian Structural Equation Models for Cumulative Theory Building in Information Systems. *Proceedings of the 18th Americas Conference on Information Systems (AMCIS)*, Seattle, WA, August 2012.

2011

23. Lukyanenko, R. and Evermann, J. Using Cognitive Theories to Support Data Integration. *Proceedings of the 17th Americas Conference on Information systems (AMCIS)*, Detroit, MI, August 2011.

24. Nasir, M., Hoeber, O., and Evermann, J. Effective Visualization of Ontology Mappings using Edge Bundling. *Poster at the Graphics Interface Conference*, St. John's, NL, May 2011. (editorially reviewed)

25. Evermann, J., Fiech, A., and Alam, F.E. A Platform-Independent UML Profile for Aspect-Oriented Development. *Proceedings of the Fourth International C* Conference on Computer Science and Software Engineering (C3S2E), Montreal, QC, May 2011.*

2010

26. Tate, M. and Evermann, J. Obstacles to building effective theory about attitudes and behaviours towards technology. *Workshop on Information Systems Foundations*, Australia National University, Canberra, ACT, Australia, 30 Sept, 2010.

27. Evermann, J. and Tate, M. Testing Models or Fitting Models? Identifying Model Misspecification in PLS. *Proceedings of the 31st International Conference on Information Systems, ICIS, St. Louis, MS, December 2010.*

28. Parsons, J., Evermann, J. and Dobing, B. Understanding Use Case-Driven Development in the UML. *Proceedings of the 31st International Conference on Information Systems, ICIS, St. Louis, MS, December 2010.*

29. Evermann, J. Contextual Factors in Database Integration — A Delphi Study. *Proceedings of the 29th International Conference on Conceptual Modeling (ER 2010), Vancouver, BC, November 2010.*

2009

30. Evermann, J. and Tate, M. Constructs in the Mist: The Lost World of the IT Artifact. *Proceedings of the 8th JAIS Theory Development Workshop at ICIS 2009, Phoenix, AZ*

31. Evermann, J. and Tate, M. Building Theory from Quantitative Studies, or, How to Fit SEM Models. *Proceedings of the 30th International Conference on Information Systems (ICIS), Phoenix, AZ, December 2009.*

32. Evermann, J. and Tate, M. Constructs in the Mist: The Lost World of the IT Artifact. *Proceedings of the 30th International Conference on Information Systems (ICIS), Phoenix, AZ, December 2009.*

33. Tate, M. and Evermann, J. Perceptive Users with Attitudes: Some Heuristics on Theorizing. *Proceedings of the 30th International Conference on Information Systems (ICIS), Phoenix, AZ, December 2009.*

34. Tate, M. and Evermann, J. Descendents of ServQual in Online Services Research: The End of the Line? *Proceedings of the 15th Americas Conference on Information Systems AMCIS, San Francisco, CA*, Aug 2009.

35. Alam, F., Evermann, J. and Fiech, A. Modeling for Dynamic Aspect-Oriented Development. *Proceedings of the C3S2E-9 Conference, Montreal*, May 2009.

2008

36. Tate, M., Evermann, J., Hope, B. Old Theory and New Service Quality: An Exploratory Study of the Nature and Nomological Net of Online Service Quality and Continuing Use using Information Systems Theory. *Proceedings of the Australasian Conference on Information Systems (ACIS), Christchurch, New Zealand, December 3–5, 2008.*

37. Tate, M.; Evermann, J.; Hope, B.; Barnes, S. Stakeholder expectations of service quality in a university web portal. In: Oliver, D.; Romm-Livermore, C. and Sudweeks, F. (eds.) *Self-service in the Internet Age: Expectations and Experiences.* Springer-Verlag, Berlin, 2008.

38. Evermann, J. and Halimi, H. Associations and Mutual Properties – An Experimental Assessment. *Proceedings of the Americas Conference on Information Systems AMCIS*, Toronto, August 2008.

39. Evermann, J. and Mistri, R. System Analysis as Scientific Inquiry. *Proceedings of the Americas Conference on Information Systems AMCIS*, Toronto, August 2008.

2007

40. Fang, J. and Evermann, J. Evaluating Ontologies – Towards a Cognitive Measure of Quality. *Proceedings of the Workshop on Vocabularies, Ontologies, and Rules for the Enterprise (VORTE), Annapolis, MD, October 2007.*

41. Evermann, J. Sequence Analysis in Process Tracing. *Proceedings of the Americas Conference on Information Systems (AMCIS), Keystone, CO, Aug 2007.*

42. Evermann, J., Ferreira, J., and Haggard, G. Improving Mutual Understanding of Development Artifacts: A Semiotics Based Approach. *Proceedings of the Americas Conference on Information Systems (AMCIS), Keystone, CO, Aug 2007.*

43. Tate, M., Hope, B., Evermann, J., and Barnes, S. Perceived Online Service Quality: Latent Dimensions and Ontological Implications. *Proceedings of the Pacific Asia Conference on Information Systems (PACIS), Auckland, NZ, July 2007.*

44. Evermann, J. A Meta-Level Specification and Profile for AspectJ in UML. *Proceedings of the Workshop on Aspect Oriented Modeling (AOM) at AOSD 2007.*

45. Evermann, J., Hooper, V., Yoong, P. et al. The Discovery Camp: A Talent Fostering Initiative for Developing Research Students. *Proceedings of INSITE 2007.*

46. Tate, M., Evermann, J., Hope, B. and Barnes, S. Perceived Service Quality in a University Web Portal: Revising the E-Qual Instrument. In *Proceedings of the Hawaii International Conference on System Sciences HICSS–40*, January 3–6, 2007, Hawaii.

2006

47. Evermann, J. Organizational Paradigms and Organizational Modelling. In: *Proceedings of the Workshop on Business and IT Alignment (BUSITAL) at CAiSE 2006*, Luxembourg, June 2006.

2005

48. Evermann, J. The Association Construct in Conceptual Modeling – An Analysis using the Bunge Ontological Model. In: *Proceedings of the 17th International Conference on Advanced Information Systems Engineering, CAiSE 2005*, Porto, Portugal, June 2005, 33–47.

49. Evermann, J. Towards Natural Language Semantics for the Association Construct. In: *Proceedings of the Forum for the 17th International Conference on Advanced Information Systems Engineering, CAiSE 2005*, Porto, Portugal, June 2005, 77–82.

50. Kim, H., Sengupta, A. and Evermann, J. MOQ: Web Services Ontologies for QoS and General Quality Evaluations. In *Proceedings of the 13th European Conference on Information Systems, ECIS 2005*, Regensburg, Germany, May 2005.

2004

51. Evermann, J. The Science of IS Development – Implications for Applications. In *Proceedings of the 3rd Symposium on Research in System Analysis and Design (AIS SIGSAND), St. John's, Canada, June 12-14, 2004.* (not refereed)

2001

52. Evermann, J. and Wand, Y. An ontological examination of object interaction in conceptual modeling. In *Proceedings of the Workshop on Information Technologies and Systems WITS'01, New Orleans, December 15–16*, 2001.

53. Evermann, J. and Wand, Y. Towards ontologically based semantics for UML constructs. In H. Kunii, S. Jajodia, and A. Solvberg, editors, *Proceedings of the 20th International Conference on Conceptual Modeling, Yokohama, Japan, Nov. 27–30, 2001*, ER 2001.

Publications (Book Chapters)

2009

1. Evermann, J. Theories of Meaning in Schema Matching. In: Erickson, J. (ed.) *Database Technologies: Concepts, Methodologies, Tools, and Applications*, IGI Global, Hershey, PA. (republication of Journal publications item 28, not separately reviewed)

2008

2. Tate, M.; Evermann, J.; Hope, B.; Barnes, S. Stakeholder expectations of service quality in a university web portal. In: Oliver, D.; Romm-Livermore, C. and Sudweeks, F. (eds.) *Self-service in the Internet Age: Expectations and Experiences.* Springer-Verlag, Berlin, 2008.

2005

3. Evermann, J. Thinking Ontologically – Conceptual versus design models in UML. In: Rosemann, M. and Green, P. (eds.) *Ontologies and Business Analysis.* Idea Group Publishing, 2005, 82–104.

Publications (Books)

1. Evermann, J. (2024) Business Analytics.

   Unreviewed, open-source book developed for BUSI 4720 course. *https://github.com/jevermann/BusinessAnalyticsBook*

Technology Expertise (Research or Teaching)

- Data Analytics
  - Tensorflow, Python, R
- Workflow Management
  - BPMN, BPEL, YAWL, EPC, Petri nets
- SOA Technologies (Service Oriented Architecture)
  - WSDL, SOAP, XML-RPC, UDDI
- Ontology/Semantic Technologies
  - OWL, RDF, Description Logics
- Web Technologies
  - XML, XML Schema, XSLT, XPath, XQuery, XSL-FO, SAX, DOM, SVG, SMIL
- System Development
  - UML, ERD, SQL, AspectJ
- General
  - Python, Java, Eclipse, R, SPSS, JAGS, OpenBUGS

Service to the Academic Community

Journal Editor

- Associate Editor for Business and Information Systems Engineering (since January 2022)
- Associate Editor for Communications of the AIS (since July 2015)
  - Recognized as AE of the Year for 2024
- Special Issue Guest Editor, Business and Information Systems Engineering, SI on Exploring the (Mis)Match Between Real-World Processes and Event Data (2025)
- Guest Associate Editor for Information Systems Research, 2024
- Guest Associate Editor for Data & Knowledge Engineering, 2024

- Special Issue Guest Editor, Data & Knowledge Engineering, SI on the 40th International Conference on Conceptual Modeling (2023)

- Special Issue Guest Editor, Communications of the AIS, SI on Literature Review in Information Systems Research (2014)

- Guest Associate Editor for MIS Quarterly, 2011

Conference Chair and Conference Track Chair

- Conference Co-Chair for the 2026 Atlantic Schools of Business Conference (ASB 2026), St. John's, Canada

- Conference Co-Chair for the 2021 International Conference on Conceptual Modeling (ER 2021), St. John's, Canada

- Doctoral Consortium Co-Chair for the DESRIST 2016 Conference

- Track Co-Chair for the Research Methods track at the International Conference on Information Systems (ICIS) 2014

- Track Co-Chair for the Research Methods track at the Americas Conference on Information Systems (AMCIS) 2013

- Track Co-Chair for the Research Methods track at the Pacific-Asia Conference on Information Systems (PACIS) 2011

- Mini-track Co-Chair for mini-track "New Approaches to Quantitative Analysis" at the Americas Conference on Information Systems (AMCIS) 2012

- Doctoral Consortium Co-Chair for the MODELS 2011 Conference

- Associate editor for the Research Methods Track at the International Conference on Information Systems (ICIS) 2011, 2012

- Associate editor for track "Approaches to Information Systems Development" at the International Conference on Information Systems (ICIS) 2007

- Student Co-organizer of the CAiSE 2004 Doctoral Workshop, Riga, Latvia

- Student Co-organizer of the CAiSE 2003 Doctoral Workshop, Velden, Austria

Conference Program Committee Membership

- Business Process Management (BPM) conference 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025

- Conference on Business Informatics (CBI) 2016, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025

- International Conference on Process Mining (ICPM), 2020, 2021, 2022, 2023, 2024, 2025

- Workshop on Artificial Intelligence for Business Process Management (AI4BPM) 2020, 2021, 2022, 2023, 2024, 2025

- International Conference on Partial Least Squares, 2022

- International Conference on Business Information Systems (BIS), 2021

- Workshop on Frontiers of Process Aware Systems (FOPAS), 2020

- Advisory board member for the International Conference on Partial Least Squares (PLS), 2020

- Workshop on Information Technology and Systems (WITS) 2010, 2012, 2013, 2014, 2016

- International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE) 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015

- International Conference on Design Science Research in Information Systems and Technology (DESRIST), 2015

- International Conference on Software Language Engineering (SLE), 2014

- International Conceptual Modeling Conference (ER) 2010, 2011, 2013, 2014

- Domain Engineering Workshop, 2009, 2010, 2011, 2012

- International Workshop on Vocabularies, Ontologies, and Rules for the Enterprise (VORTE) 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013

- International Workshop on Ontologies and Conceptual Modeling (OntoCoM) 2011

- International Conference on Advanced Information Systems Engineering (CAiSE) 2007, 2008, 2009, 2010, 2011

- International Workshop on Foundations and Practices for UML 2007, 2008, 2009

- International Conference on E-Business (ICE-B) 2008

- Conference on Qualitative Research in Information Technology (QualIT) 2007

- International Conference on Innovations in IT 2007

- Australasian Ontology Workshop (AOW) 2007

- Canadian Semantic Web Working Symposium (CSWWS) 2006

- IADIS e-Commerce conference 2006

- Knowledge Management Asia-Pacific conference 2005

- CAiSE 2013 Doctoral Consortium, Valencia, Spain

Journal Reviewer

- Process Science, 2024

- DKE (Data and Knowledge Engineering), 2005, 2022, 2024

- CAIS (Communications of the AIS), 2011, 2013, 2014, 2016, 2020, 2021, 2024

- KI (Künstliche Intelligenz, German Journal of Artificial Intelligence), 2023

- IS (Information Systems), 2008, 2010, 2017, 2018, 2019, 2022, 2023

- SNCS (Springer Nature Computer Science), 2022, 2023

- BISE (Business Information Systems Engineering) 2021, 2022

- L2 (Language Learning), 2021

- IEEE TSC (Transactions on Services Computing), 2018, 2021

- MIS Quarterly, 2010, 2011, 2012, 2013, 2014, 2019, 2020

- DSS (Decision Support Systems), 2017, 2018, 2019, 2020

- EMISAJ (EMISA Journal), 2019, 2020

- Behaviourmetrica, 2019

- JAIS (Journal of the AIS), 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2014, 2018

- Internet Research, 2018

- JSCS (Journal of Statistical Computation and Simulation), 2017

- ITM (Information Technology and Management), 2006, 2007, 2016

- APJIS (Asia Pacific Journal of Information Systems), 2015

- CSDA (Computational Statistics and Data Analysis), 2015

- ISR (Information Systems Research), 2008, 2009, 2010, 2011, 2012, 2013

- EJIS (European Journal of Information Systems), 2011, 2012, 2013

- Communications of the ACM, 2011

- Structural Equation Modeling, 2010

- e-Services Journal, 2009

- AAI (Applied Artificial Intelligence), 2009

- OIR (Online Information Review), 2008

- IST (Information and Software Technology), 2008

- Journal of Applied Ontology, 2007

- JCIS (Journal of Computer Information Systems), 2005

- JDS (Journal of Data Semantics), 2006

- ISM (Information Systems Management), 2005

- JDM (Journal of Database Management), 2006, 2007

Conference Reviewer

- ICIS conference (2002, 2005, 2006, 2007, 2009, 2010, 2013, 2015, 2017, 2018)

- CAiSE conference (2002, 2003, 2004, 2006)

- AMCIS, ECIS, PACIS, HICSS, WI, and ER conferences

Other Reviews

- Canadian NSERC granting agency (2005, 2008, 2009, 2011, 2012, 2013, 2017, 2021, 2022, 2023, 2024)

- Fonds Wetenschappelijk Onderzoek - Vlaanderen, (FWO) granting agency (2018)

- Masters thesis, Massey University, external, 2008

- Canadian SSHRC granting agency (2006)

- Masters thesis, Memorial University, external, 2006

- Masters thesis, Memorial University, internal, 2011

Invited Presentations

- National University of Singapore (December 2014): Comparing Out-of-Sample Predictive Ability of PLS, Covariance, and Regression Models.

- University of Münster, Germany (July 2011): Testing Models or Fitting Models? Identifying misspecifications in PLS.

- University of Münster, Germany (April 2010): A Multi-Method Investigation of Information Use in Schema Matching.

- University of British Columbia, Canada (June 2010): A Multi-Method Investigation of Information Use in Schema Matching.

- National University of Singapore (August 2007): An Exploratory Study of Database Integration Processes.

- Queensland University of Technology (August 2005): Integrating Philosophical and Semantic Web Ontologies.

- Atlantic Schools of Business Conference (October 2008): From UML Actions to AspectJ.

- Victoria University of Wellington (December 2008): Towards a Cognitive Quality of Ontologies.

- Invited to the Dagstuhl seminar on Roles in programming languages, April 2010.

Tutorials

- Data visualization with applications in R and Python (2 hours), presented at the MUN Faculty of Business First Annual Data Anlytics Competition

- Bayesian Estimation of Structural Equation Models using BUGS and R (1.5 or 3 hours), presented at:

  - National University of Singapore (Dec 2014)
  - Australasian Conference on Information systems (ACIS) (Dec 2014)

- Covariance Based Structural Equation Modelling (3, 4 or 8 hours), presented at:

  - Australasian Conference on Information Systems (ACIS) 2008
  - Americas Conference on Information Systems (AMCIS) 2009, 2011
  - Victoria University of Wellington (December 2008)
  - Memorial University of Newfoundland (January 2009)
  - University of Münster, Germany (April 2010)
  - City University of Hong Kong (May 2010)
  - National University of Singapore (May 2010)
  - University of British Columbia (June 2010)
  - York University (June 2010)
  - Queensland University of Technology (November 2010)

Other

- Advising faculty member for the CAiSE 2006 Doctoral Consortium, Luxembourg

- Advising faculty member for the CAiSE 2005 Doctoral Consortium, Porto, Portugal

- Advising faculty member for the CAiSE 2004 Doctoral Consortium, Riga, Latvia

- Student participant of the CAiSE 2002 Doctoral Workshop, Toronto, Canada

- Co-ordinator for the UBC Faculty of Commerce Bureau for e-Business Research (2001)

Service to the University

Memorial University of Newfoundland

- Search committee (chair), Faculty of Business Administration (2024)

- Advising faculty, CPA NL Business Analytics Competition (2023, 2024)

- Research committee, Faculty of Business Administration (Sep 2013 – Aug 2014, Sep 2019 – Aug 2021, since Sep 2023)

- Teaching and Assurance of Learning Steering Committee, Faculty of Business Administration (Sep 2019 – Aug 2021, since Sep 2023)

- Academic council, School of Graduate Studies (Sep 2021 – Aug 2023)

- Facilitating lead of graduate programs external review, Faculty of Business Administration (Apr 2020 – Apr 2021)

- Search Committee, Faculty of Business Administration (2021)

- Committee on undergraduate studies, Faculty of Business Administration (Sep 2020 – Aug 2021)

- Search committee (chair), Faculty of Business Administration (Jul 2015 – Oct 2015)

- Senate committee on Educational Technologies (Sep 2008 – Aug 2011, Sep 2012 – Aug 2015)

- Academic council, School of Graduate Studies (Sep 2012 – Aug 2013)

- Graduate research programs committee, Faculty of Business Administration (Jan 2010 – Sep 2011)

- Committee on undergraduate studies, Faculty of Business Administration (Sep 2008 – Sep 2012)

- Area group coordinator – Information systems and Operations management area, Faculty of Business Administration (Sep 2009 – Sep 2011)

- Search committee for term appointments, Faculty of Business Administration (Sep 2009 – Sep 2011)

- Management committee, Faculty of Business Administration (Sep 2009 – Sep 2011)

- Accreditation maintenance steering committee, Faculty of Business Administration (Sep 2010 – Sep 2011)

- Standing committee on curriculum improvement, Faculty of Business Administration (Sep 2009 – Sep 2011)

- Faculty of Business Administration and Department of Computer Science (MUN) joint committee on the establishment of a joint degree program (2009 – 2010)

- Working group on AACSB accrediation maintenance, Faculty of Business Administration (Sep 2009 – Apr 2010)

- Search committee, Faculty of Business Administration (Sep 2008 – Apr 2009)

- Academic representative of the CCICT (Canadian Coalition for Tomorrow's ICT Skills) curriculum development Initiative

Victoria University of Wellington

- School of Information Management admissions committee for honours degree (2006 – 2007)

- School of Information Management chair of research seminar series (2005–2007)

- School of Information Management lab coordinator (2004–2007)

Grants and Awards

Note: All grants and awards are competitive

- MITACS Business Strategy Internship grant with Pisces Research Project Management Inc., "Ocean Allies" project with graduate student Sanaz Nabavian, 2021

- Social Science and Humanities Research Council (SSHRC) of Canada Partnership Grant, $2,498,895.00, "Too Big To Ignore: Global Partnership for Small-Scale Fisheries Research", Co-Applicant, 2012 – 2017

- Memorial University Instructional Development Grant $4,998.72, "Experiental Learning using Enterprise IT Systems", 2012

- Terra Nova Young Innovators Award, $25,000.00, "Contextual Factors and Database Integration", 2011

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

- Natural Sciences and Engineering Research Council (NSERC) of Canada Discovery Grant, $75,000.00, "Contextual Factors in Database Integration", 2008 – 2013

- Social Sciences and Humanities Research Council (SSHRC) of Canada, $2,500.00 travel fund, 2014

- Social Sciences and Humanities Research Council (SSHRC) of Canada, $2,140.00 travel fund, 2012

- Social Sciences and Humanities Research Council (SSHRC) of Canada, $2,250.00 travel fund, 2010

- Social Sciences and Humanities Research Council (SSHRC) of Canada, $3,000.00 travel fund, 2008

Visa Status

- Citizenship: German

- Canadian Permanent Residency

- New Zealand Permanent Residency