
Dr. Joerg Evermann

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Research and Teaching Interests

- Systems Analysis and Conceptual Modelling
- Database Management Systems
- Enterprise Resource Planning
- E-Business Technologies
- Business Processes and Workflow Management
- Artificial Intelligence

Academic Positions

- Associate Professor, Faculty of Business Administration, Memorial University of Newfoundland (since September 2009)
 - Cross-appointment to the Department of Computer Science, Memorial University of Newfoundland (since September 2009)
- Assistant Professor, Faculty of Business Administration, Memorial University of Newfoundland. (since November 2007)
- 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 & Evaluations

(evaluations and course materials available on request)

With UBC

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

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 MUN

- Quantitative Methods in Management Research (BUS 9903): 2008, 2009, 2010
- Research Methods in Management Research (BUS 9901): 2008, 2009
- Management Science (BUS 4401): 2008, 2009
- Management Information Systems (BUS 3700): 2008, 2009

Graduate Supervision

- Muhammad Nasir (Masters, Database Integration, beginning January 2010)
- Farhana Alam (Masters, Aspect-Oriented Modelling, Aug 2008 – expected completion Sept 2009)
- Jennifer Fang (Masters, Cognitive Quality of Ontologies, July 2007 – April 2009, Grade A with distinction)
- Mary Tate (PhD, E-Service Quality, since 2005 – expected completion November 2009)
- 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 Build-Direct.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

In Press

1. Evermann, J. and Fang, J. Evaluating Ontologies: Towards a Cognitive Measure of Quality. *Information Systems*. Accepted on September 1st, 2008.

2009

1. 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*.
2. 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*.
3. 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*.
4. Tate, M. and Evermann, J. Descendants 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*.
5. Alam, F., Evermann, J. and Fiech, A. Modeling for Dynamic Aspect-Oriented Development. *Proceedings of the C3S2E-9 Conference, Montreal, May 2009*.
6. Evermann, J. Theories of Meaning in Schema Matching: An Exploratory Study. *Information Systems*. Vol 34, 28–44, Jan 2009.
7. 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.
8. 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

1. 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.*
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.
3. Evermann, J. A Cognitive Semantics for the Association Construct. *Requirements Engineering Journal*, Vol 13, No 3, 167–186, 2008.
4. Evermann, J. and Halimi, H. Associations and Mutual Properties – An Experimental Assessment. *Proceedings of the Americas Conference on Information Systems AMCIS*, Toronto, August 2008.
5. Evermann, J. and Mistri, R. System Analysis as Scientific Inquiry. *Proceedings of the Americas Conference on Information Systems AMCIS*, Toronto, August 2008.
6. Evermann, J. Theories of Meaning in Schema Matching: A Review. *Journal of Database Management.* Vol 19, No 3, 55–83. 2008
7. Evermann, J. An Exploratory Study of Database Integration Processes. *IEEE Transactions on Knowledge and Data Engineering.* Vol 20, No 1, Jan 2008, 99–115.

2007

1. 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.
2. 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.*
3. Evermann, J. A Meta-Level Specification and Profile for AspectJ in UML. *Journal of Object Technology.* Vol 6, No 7, Aug 2007.
4. Evermann, J. Sequence Analysis in Process Tracing. *Proceedings of the Americas Conference on Information Systems (AMCIS), Keystone, CO, Aug 2007.*
5. 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.*
6. 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.*
7. Evermann, J. A Meta-Level Specification and Profile for AspectJ in UML. *Proceedings of the Workshop on Aspect Oriented Modeling (AOM) at AOSD 2007.*

8. Evermann, J., Hooper, V., Yoong, P. et al. The Discovery Camp: A Talent Fostering Initiative for Developing Research Students. *Proceedings of INSITE 2007*.
9. 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.
10. 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

1. 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.
2. 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

1. 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.
2. 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.
3. 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.
4. Evermann, J. Towards a Cognitive Foundation for Knowledge Representation. *Information Systems Journal*. Vol 15, pp 147–178. 2005
5. Evermann, J. and Wand, Y. Ontology-Based Object-Oriented Business Modelling: Fundamental Concepts. *Requirements Engineering Journal*, Vol 10, Number 2, 2005, 146–160.
6. 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.
7. 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.

2004

1. 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*.

2. Evermann, J. Thinking Ontologically: Conceptual versus Design Models in UML. In: Green, P. and Rosemann, M. (eds.) *Business Systems Analysis with Ontologies*, IGI Global Publishing, 2005.

2001

1. 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*.
2. 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.

Under Review

- Evermann, J. Further Issues and Opinions on Structural Equation Modeling.
- Evermann, J. Multiple group analysis using the `sem` package in the R system.
- Evermann, J. and Tate, M. Fitting Covariance Models for Theory Generation.
- Evermann, J. and Tate, M. Constructs in the Mist: The Lost World of the IT Artifact.

Working Papers

- Evermann, J. Conceptual vs. Design Models: An Empirical Comparison. MIS Division, University of British Columbia, Working Paper 02-MIS-005.
- Evermann, J. Ontological Analysis of UML constructs. MIS Division, University of British Columbia, Working Paper 00-MIS-013.

Service to the Academic Community

- Tutorial on Covariance Based Structural Equation Modelling (3 hours), presented at:
 - ACIS 2008 Conference
 - AMCIS 2009 Conference
 - Victoria University of Wellington (December 2008)
 - Memorial University of Newfoundland (January 2009)
- Doctoral Consortium Chair for the MODELS 2011 Conference (pending, to be confirmed)
- Associate editor for ICIS 2007 Conference track on Approaches to Information Systems Development
- Program committee member for Domain Engineering Workshop, 2009
- Program committee member for ICE-B 2008 conference

- Program committee member for ENASE 2008, 2009 conference
- Program committee member for QualIT 2007 conference
- Program committee member for FP-UML 2007, 2008, 2009 workshop
- Program committee member for CAiSE 2007, 2008, 2009, 2010 conference
- Program committee member for IADIS e-Commerce 2006 conference
- Program committee member for VORTE 2005, 2006, 2007, 2008, 2009 workshop
- Program committee member for KMAP 2005 conference
- Program committee member for CSSWS 2006 symposium
- Program committee member for 2007 Innovations in IT conference
- Program committee member for 2007 Australasian Ontology Workshop (AOW)
- Reviewer for e-Services Journal, 2009
- Reviewer for AAI (Applied Artificial Intelligence), 2009
- Reviewer for OIR (Online Information Review), 2008
- Reviewer for IS (Information Systems), 2008
- Reviewer for IST (Information and Software Technology), 2008
- Reviewer for ISR (Information Systems Research), 2008, 2009
- Reviewer for Journal of Applied Ontology, 2007
- Reviewer for JAIS (Journal of the AIS), 2005, 2006, 2007, 2008, 2009
- Reviewer for DKE (Data and Knowledge Engineering), 2005
- Reviewer for JCIS (Journal of Computer Information Systems), 2005
- Reviewer for JDS (Journal of Data Semantics), 2006
- Reviewer for ISM (Information Systems Management), 2005
- Reviewer for ITM (Information Technology and Management), 2006, 2007
- Reviewer for JDM (Journal of Database Management), 2006, 2007
- Reviewer for CAiSE conference (2002, 2003, 2004, 2006)
- Reviewer for ICIS conference (2002, 2005, 2006, 2007, 2009)
- Reviewer for AMCIS, ECIS, PACIS, HICSS, and ER conferences
- Invited presentation at National University of Singapore (August 2007): An Exploratory Study of Database Integration Processes.

- Invited presentation at Queensland University of Technology (August 2005): Integrating Philosophical and Semantic Web Ontologies.
- Invited presentation at the Atlantic Schools of Business Conference (October 2008): From UML Actions to AspectJ.
- Invited presentation at Victoria University of Wellington (December 2008): Towards a Cognitive Quality of Ontologies.
- Invited to the Dagstuhl seminar on Roles in programming languages, April 2010.
- 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
- Co-organizer of the CAiSE 2004 Doctoral Workshop, Riga, Latvia
- Co-organizer of the CAiSE 2003 Doctoral Workshop, Velden, Austria
- Student participant of the CAiSE 2002 Doctoral Workshop, Toronto, Canada
- Reviewer for the Canadian SSHRC granting agency (2006)
- Reviewer for the Canadian NSERC granting agency (2005, 2008, 2009)
- Co-ordinator for the UBC Faculty of Commerce Bureau for e-Business Research (2001)

Service to the University

- Memorial University Senate Committee on Educational Technologies (Sep 2008 – Aug 2011)
- Area group coordinator – Information systems and Operations management area, Faculty of Business Administration (MUN) (2009 – 2011)
- Faculty of Business Administration (MUN) search committee (2008 – 2009)
- Faculty of Business Administration (MUN) committee on undergraduate studies (2008 – 2010)
- Faculty of Business Administration (MUN) search committee for term appointments (2009 – 2011)
- Faculty of Business Administration (MUN) human resources planning and retention advisory committee (2009 – 2011)
- Faculty of Business Administration (MUN) working group on AACSB accreditation maintenance (2009)
- Academic representative of the CCICT (Canadian Coalition for Tomorrow's ICT Skills) curriculum development Initiative

Grants

- Natural Sciences and Engineering Research Council (NSERC) of Canada, \$15,000.00 p.a., 2008 – 2012: Contextual Factors in Database Integration
- Social Sciences and Humanities Research Council (SSHRC) of Canada, \$3,000.00 travel fund, 2008

Visa Status

- Citizenship: German
- New Zealand Permanent Residency
- Canadian Permanent Residency

References

Dr. Sid Huff

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