

**THE UNIVERSITY OF BRITISH COLUMBIA**  
**Curriculum Vitae for Faculty Members**

**Date:** April 21, 2016 **Initials:**

*Y.W.*

1. **SURNAME:** WAND **FIRST NAME:** YAIR **MIDDLE NAME(S):**
2. **DEPARTMENT/SCHOOL:** Management Information Systems Division
3. **FACULTY:** Sauder School of Business
4. **PRESENT RANK:** Professor **SINCE:** July 1995

5. **POST-SECONDARY EDUCATION**

University or Institution	Degree	Subject Area	Dates
The Hebrew University, Jerusalem	B.Sc.	Physics & Mathematics	1966
The Weizmann Institute, Israel	M.Sc.	Physics	1970
Technion, Israel Institute of Technology	D.Sc.	Operations Research	1977

6. **EMPLOYMENT RECORD**

(a) *Prior to coming to UBC*

University, Company or Organization	Rank or Title	Dates
Faculty of Industrial Engineering, Technion, Israel	Senior Lecturer	1982-1986
Faculty of Commerce, UBC	Assistant Prof.	1980-1981
Faculty of Management, The University of Calgary	Assistant & Associate Prof.	1977-1980
Faculty of Industrial Engineering, Technion, Israel	Research Associate	1977
IBM (Israel) Ltd. (part time)	Software Consultant	1974-1977
Faculty of Industrial Engineering, Technion, Israel	Instructor	1972-1977
Department of Physics, University of the Negev, Israel	Instructor	1970-1972
Israel Atomic Energy Commission	Physicist	1969-1972

(b) *At UBC*

Rank or Title	Dates
Full Professor	1995-
Associate Professor	1986-1995
Visiting Associate Professor	1985-1986
Assistant Professor	1980-1981

(c) *Date of granting of tenure at U.B.C.:* July 1986

7. **LEAVES and Sabbaticals**

Sabbatical	July 1992 - June 1993	
Sabbatical	July 1997 - June 1998	Graduate School of Business, Haifa University
Sabbatical	July 2002 - June 2003	MIS Department, Haifa University
Leave	Sept 2004 - Aug 2005	MIS Department, Haifa University
Sabbatical	July 2008 - Dec 2008	
Sabbatical	Jan 2014 - June 2014	

## 8. TEACHING

### (a) *Areas of special interest and accomplishments*

My area of teaching is *Management Information Systems*.

#### Course Development

**Commerce 439 -Advanced Topics in Information Systems:** This was the most advanced undergraduate course in MIS. The course was taught for the first time in 1994 and was devoted to Business Process Reengineering and Modern Information Technology. More than half of the audience were graduate students.

**Commerce 633 -Modeling Methods in the Research and Practice of Information Systems:** This course was introduced at my suggestion and developed and taught by me several times.

**Commerce 335 - Information Systems Technology and Development.** This is the main information systems elective course offered in Commerce. It is taken by Computer Science students as well.

**Commerce 534 - Developing Information Systems:** This is the basic hands-on information systems development course at the graduate level.

**BAIT 501 - Survey of Information Systems Applications in Business**

**Other courses:** The essential contents and format of the Systems Analysis courses (C436 and C536) are based on my design of earlier courses (C356).

#### Development of Techniques

In 1991 I introduced the use of non-linear computer-based presentations in MIS courses. Two courses (C335 and C534) were redeveloped with this approach. This resulted in course packages that can easily be used by other instructors and in other courses. For this project I received the 1992/3 *Arne Olsen Master Teaching Award*.

### (c) *Graduate Students Supervised*

#### Ph.D. Thesis Supervision

Wei Sun (PhD), "Modelling in Information System Analysis and Design, Management Information Systems", September 2015.

Michael Wufka (PhD), "Domain Understanding in Agile Information System Development – The Role of Conceptual Modeling", November 2013.

Lior Limonad (PhD), "Controls in Business and IT: formalization and application", September 2013.

Paul Ralph, Fundamentals of Software Design, UBC, 2010.

Eran Rubin, "Domain Knowledge Representation in Information Systems", UBC, 2009.

Palash Bera, "Using Ontologies in the Context of Knowledge Management Systems", UBC, 2007.

Joerg Evermann, "Using Design Languages for Conceptual Modelling: The UML Case", UBC, 2003.

Dorit Nevo, "Developing Effective Knowledge Management Systems", UBC, 2003.

Andrew Gemino, "Empirical Comparisons of Systems Analysis Modeling Techniques", UBC, 1999.

Keng Siau, "Empirical Studies in Information Modelling: Interpretation of the Object Relationship", UBC, 1996.

Jeffrey Parsons, "A Classification Theory Based Information Systems Model," UBC, 1992.

Ken Takagaki, "A Formalism for Object-Based Information Systems Development," UBC, 1990.

Dan Paulson, "Reasoning Tools to Support systems Analysis and Design," UBC, 1989.

#### M.Sc. Thesis Supervision

Arash Saghafi, "Using Semantic Web Technologies to Implement Flexible Information Management Systems", August 2012.

Feihu (Michael) He, "Using Patterns in Conceptual Modelling of Business Activities". UBC, November, 2008.

Anna Krasnoperova, "Representing Real-World Semantics In Owl Ontologies", UBC, March 2006.

David Hood, "Object-Oriented Activity Based Process Modelling", UBC October 2004.

Nawei Yin, "Using Term Proximity Measures for Identifying Compound Concepts: An Exploratory Study", UBC August 2004.

Jingwei Xu, "An Ontological Model for Workflow Management", UBC, January 2004.  
 Howard Zhuang, "A Property-Based Approach to Integrating Information from Multiple Sources", UBC, 2003.  
 Andi Mi, "Experimenting with Automatic Concept Identification in Documents", UBC, April 2003.  
 Palash Bera, "Knowledge Requirement Analysis: A Case Study", UBC 2002.  
 Zhengbin Shuai, "Using OEM to analyze inter-organization processes", UBC 2002.  
 Eran Rubin, "A Data Model Based on Semantics of Properties", UBC, 2002.  
 Qingyu Wang, "A Proposal for a Process Modelling Methodology", UBC, 2002.  
 Ankur Marwah, "Requirements and Proposed Architecture for a Knowledge Sharing System", UBC, 2001.  
 Winston MacKenzie, "Determinants of ASP Success", UBC, 2001.  
 Martin Mroz, "Knowledge in Business Processes: The VMI Case", UBC, 2001.  
 Jingxi Lu, "Extending the Object-Oriented Enterprise Modelling Case Tool from Analysis to Logical Design", UBC, 1999 (co-supervisor with C. Woo).  
 Aaron Zhang, "The Visualization of Object-Oriented Enterprise Modelling", UBC 1998, (co-supervisor).  
 Samson Hui, "An Object-Oriented Workflow Management System", UBC, 1997 (co-supervisor).  
 WilliamTan, "A Semantic Object-Oriented CASE Tool", UBC, 1997 (co-supervisor with C. Woo).  
 Scott Dalton, "The Impact of Emerging Information Technologies on International Trade", UBC, 1996.  
 Soon Aun Yeap, "Applications of OEM: An Industrial Case Study," UBC, 1996.  
 Howard Zhao, "Object-Oriented Enterprise Modelling," UBC, 1995.  
 Steven Ferguson, "Information Systems Planning in a Charitable Organization," UBC, 1994.  
 Michael Johnston, "An Expert System to Predict the Ecological Effects of Prescribed Fire," UBC, 1989.  
 Michal Sassoon (Katzir) "Inclusion of Dynamic Relationships in Database Structures," Technion, 1985.  
 Shimon Hertz, "Integration of Structured Methods for Analysis and Design of IS," Technion, 1985.  
 Lillian Fainguelernt "A Structured Methodology for Software Testing," Technion, 1985.  
 Yuval Lirov, "Analysis of Implicit Data Communication Systems," Technion (co-supervisor with H. Caspi, 1983.

### **Current Supervision**

Wei Sun  
 Arash Saghafi

### **Ph.D. Committee Member**

Kafui Monu, UBC (completed 2011)  
 Ofer Arazy, UBC (completed 2004)  
 Jacob Lee, MIT (completed 1996)  
 Heng-Li Yang, UBC (completed 1992).  
 Christian Wagner, UBC (completed 1988).  
 Hong Chan, UBC (completed 1988)  
 Veda Storey, UBC (completed 1986).

### **M.Sc. Thesis Committee Member**

K. Monu (UBC, 2005)  
 R. Sze, UBC (2004)  
 W. Wang, UBC (2004)  
 P. Parkinson, UBC (2004)  
 R. Payne, UBC (2003)  
 H. Guo, UBC (2002)  
 D. Jung, UBC (1997)  
 A. Lau, UBC (1993)  
 F. Lu, UBC (1992)

### **(d) Continuing Education Activities**

Development and participation (with other faculty members) of seminars on e-business (2000).  
 Development (with another faculty member) of a two-days seminar "Harnessing IT" for the Center for Management Education, Faculty of Commerce, UBC.  
 Development and teaching of courses (post-graduate) for the *Institute of Chartered Accountants of British Columbia* (1987, 1988): SCA 210: Business Computers, SCA 220: Information Systems.

Participation in the Residential Programme for Executive Development, Faculty of Commerce, UBC, 1995-1999.

**9. SCHOLARLY AND PROFESSIONAL ACTIVITIES****Research or equivalent grants****Obtained Com competitively** (on all grants listed below I was the only investigator)

Granting Agency	Type of Grant	Subject	Period	Total Amount
SSHRC	Insight	Submission by J. Parsons – Memorial. I am Co-Applicant "Open information environments: Challenges, opportunities and principles"	2015-2020	\$202,450
NSERC	Discovery Grant	"Theory-Based Methods for Information Systems Analysis and Design"	2013-2018	\$75,000
Sauder School	Research Grant	"Conceptual Modelling in Agile Systems Development"	2012-2013	\$ 7,730
Sauder School	Research Grant	"New Paradigms for Organizing Information"	2011-2012	\$ 8,100
SSHRC	Standard	"Empirical Evaluation of Classification Guidelines in Conceptual Modelling"	2009-2012	\$ 88,200
UBC	HSS	Studying information systems development processes	2008-11	\$3,000
NSERC	Individual Discovery Grant	"Theory-Based Methods for Information Systems Analysis and Design"	2008-2013	\$139,500
UBC	HSS (large grant)	"Empirical Study to Evaluate the Modeling of Roles in Information Systems Development"	2007-2008	\$ 6,990
NSERC	Individual Discovery Grant	"Theory-Based Methods for Information Systems Analysis and Design"	2003-2008	\$135,000
UBC	HSS (small grant)	"Evaluation and Development of Knowledge Management Systems Methodologies"	2003-2004	\$ 2,210
SSHRC	Standard	"Exploring Information Requirements for Knowledge Management System"	2002-2005	\$73,800
UBC	HSS	"Knowledge Management Systems for Healthcare: Opportunities, Challenges, and Research Directions"	2002-2003	\$ 5,000
NSERC	Research Grant	"Theory-Based Conceptual Modeling to Support Information Systems Development"	1999-2003	\$92,400
UBC	HSS	"Computerized Tools to Support Object-Oriented Modelling"	1999-2000	\$ 1,700
SSHRC	Operating Grant	"Empirical Evaluation of Information Systems Modelling"	1997-2000	\$45,000
NSERC	Operating Grant	"Enterprise Modelling to Support Information Systems Development in the Context of Process Redesign, Manufacturing, and Logistics"	1995-99	\$64,000
NSERC	Operating Grant	"Information Systems Modelling: Applications to Industrial Engineering"	1994-95	\$10,000
UBC	HSS	"Modelling Methods for Business Process Redesign"	1994-95	\$ 4,712
NSERC	Operating Grant	"Theoretically Based Methods for Systems Analysis and Design"	1993-94	\$ 7,000
UBC	HSS	"Using the Object-Oriented Approach to Improve Communication in Information Systems Analysis"	1992-93	\$ 4,840
Science Council of BC	Technology B.C.	"Applications of Expert Systems Technology to Forestry Site Preparation Decisions"	1992-93	\$43,131
SSHRC	Personal	"Studies in Formal Methods of Information Systems Analysis and Design"	1991-94	\$36,600
Science Council of BC	CORE/AGAR	"Applications of Expert Systems Technology to Forestry Site Preparation Decisions"	1991-92	\$37,097
NSERC	Operating Grant	"Theory-Based Approaches to Systems Analysis and Design"	1990-93	\$30,000
Science Council of BC	CORE/AGAR	"Applications of Expert Systems Technology to Forestry Site Preparation Decisions"	1990-91	\$41,976
	Operating Grant	"Non-procedural Implementation of Information Systems"	1987-90	\$30,000

**Obtained Non-Competitively**

Build Direct, \$68,000 (9/2002-5/2003), contract research, Principal Investigators: Y. Wand, C. Woo.

UBC Office of Research Services (9/2002-2/2003), contract research, Principal Investigators: Y. Wand, C. Woo.

BC Tel Mobility: \$100,000 (5/1998 – 4/1999), contract research, Principal investigator: C. Woo.

PanCanadian Petroleum: \$60,000 (11/1997 – 4/1998), contract research, co-principle investigator is C. Woo.

Ministry of Forests, Province of British Columbia, "Fire Effects Expert System," 1988, \$8,000.

Small UBC-HSS grants for most year I was at the Sauder School until three year ago.

**(d) Invited Presentations**

1. Research on Conceptual Modeling, IBM Research Laboratory, Haifa, Israel. February 2011.
2. "Using Cognitive Principles to Guide Classification in Information Systems Modeling", Department of Information Systems Engineering, Ben-Gurion University, Israel, July 8, 2009
3. "Using Cognitive Principles to Guide Classification in Information Systems Modeling", HEC Lausanne, June 18, 2009.
4. "Using Object Concepts and UML for Conceptual Modelling", IBM Haifa Research Laboratory, Israel, November 2009.
5. "Using Cognitive Principles to Guide Classification in Information Systems Modelling", Department of Computer Science, Sorbonne, Paris, June 2008.
6. "Towards a Theory of Classification", Ben Gurion University, Israel, January 17, 2007.
7. "Towards a Theory of Classification", Haifa University, January 10, 2007.
8. "Towards a Theory of Classification", Tel Aviv University, January 9, 2007.
9. "Conceptual Models of Knowledge Management Systems", HEC, University of Lausanne, January 10, 2006.
10. "Conceptual Models of Knowledge Management Systems", Tel Aviv University, January 17, 2006.
11. "Property-Based Semantic Reconciliation of Heterogeneous Information Sources". Ben-Gurion University, Israel, December 25, 2002.
12. "Property-Based Semantic Reconciliation of Heterogeneous Information Sources". Faculty of Industrial Engineering, Technion, Israel, December 24, 2002.
13. "On Research in Systems Analysis Modelling", School of Computing, National Univ. of Singapore, July 2001
14. "Comparing Object-Oriented and Structured Analysis Modelling", Technion, Israel, January 2001.
15. "Emancipating Instances from Class Tyranny", Beer Sheva University, Israel, January 2000.
16. "Emancipating Instances from Class Tyranny", Technion, Haifa Israel, June 1998.
17. "Object-Oriented Enterprise Modelling", IBM Research Center, Haifa, Israel, January 1998.
18. "Ontological Foundations of Information Systems," ASADE, Barcelona, Spain, June 1997.
19. "What is Data Quality", Technion, Israel, March 1997.
20. "Ontological Foundations of Information Systems," University of Bamberg, February 1997.
21. "Object-Oriented Enterprise Modelling", Faculty of Industrial Engineering, The Technion, Israel, Dec. 1996.
22. "Data Quality, What Is It?," Tel Aviv University, December 1995.
23. "Data Quality, What Is It?," Beer Sheva University, Israel, December 1995.
24. "Object-Oriented Enterprise Modelling," Mission 2000, CIP Vancouver Business Conference, Nov. 1995.
25. "Ontological Modelling Of Information Systems Concepts", Department of Computer Information Systems, College of Business Administration, Georgia State University, October 1995.
26. "The Object-Oriented Approach - Two for the Price of One?" British Columbia Data Processing Management Association, Vancouver, October 1995.
27. "Business Process Reengineering," Faculty of Industrial Eng and Mngt, The Technion, Israel, June 1995.
28. "Object-Oriented Business Modelling," The Israeli Electric Company, Haifa, Israel, June 1995.
29. "The Object-Oriented Approach - Two for the Price of One?" - AS400 Users Group, Vancouver, Feb. 1995.
30. "Is the Object-Oriented Approach Advantageous in the Context of Business Process Reengineering?" Informatique Cognitive des Organisations Symposium (ICO-94), Montreal, Quebec, May 1994, (with C. Woo).
31. Y. Wand, "Rules for Object-Oriented Modelling of Organizational Activities," Faculty of Electrical Engineering and Computer Science, Norwegian Institute of Technology, Trondheim, Norway, December 1993.
32. "Ontological Analysis of Semantic Modelling Constructs," University of Tampere, Finland, June 1993.
33. "The Object Paradigm - Two for the Price of One," SISU (The Swedish Syst Instit), Kista, Sweden, May 1993.
34. "Ontological Modelling of Information Systems Concepts," Univ of Nijmegen, The Netherlands, May 1993.
35. "Object Oriented Analysis: A Representation View," University of Nijmegen, The Netherlands, May 1993.
36. "Organizations as Communities of Autonomous Agents - Modelling How the Magic Works," University of Vienna, Austria, May 1993.
37. "Organizations as Communities of Autonomous Agents - Modelling How the Magic Works," The Technion, Israel, April 1993.
38. "Organizations as Communities of Autonomous Agents - Modelling How the Magic Works," Tel Aviv University, Israel, April 1993.
39. "Organizations as Communities of Autonomous Agents - Modelling How the Magic Works," Beer Sheva University, Israel, April 1993.
40. "Organizations as Communities of Autonomous Agents - Modelling How the Magic Works," Sloan School of Management, Massachusetts Institute of Technology, January 1993.
41. "Ontology as a Foundation for Conceptual Modelling," panel discussion in the *Second Workshop on Information Systems Technologies and Systems*, (Dallas, Texas, December 12-13, 1992).
42. "The Object Paradigm - Two for the Price of One?," Department of Commerce, The University of Queensland, Brisbane, Australia, November 1992.

43. "An Ontological Analysis of Some Fundamental Information Systems Concepts," Department of Economics, University of Sidney, November 1992.
44. "The Object Paradigm - Two for the Price of One?," Computer Science Department, Technical University of Sidney, Australia, October 1992.
45. "An Expert System to Support Site Preparation Decisions," *FS 2000 - The Application of Advanced Informatics to the Forest Industry*, Vancouver, B.C., May 25-27, 1992. with M. Curran and M. Johnston.
46. "The Object Paradigm - Two for the Price of One?," Faculty of Industrial Engineering, Technion, Israel Institute of Technology, April 1992.
47. "The Object Paradigm - Two for the Price of One?" The Recanati School of Business Administration, Tel Aviv University, April 1992.
48. "The Object Paradigm - Two for the Price of One?" Department of Industrial Engineering, Beer Sheva University, April 1992.
49. "Objects as Representation Constructs," Wm. E. Simon Graduate School of Business Administration, The University of Rochester, Rochester, N.Y., November 1991.
50. "The Object Paradigm - Two for the Price of One?" Dep. of Computer Science, Univ. of Toronto, May 1991.
51. "The Object Paradigm - Two for the Price of One?" Department of Computer Science and Operations Research, University of Montreal, May 1991.
52. "The Object Paradigm - Two for the Price of One?" Ecole de Hautes Etudes Commerciales, University of Montreal, May 1991.
53. Y. Wand, "The Objects Oriented Approach," Wm. E. Simon Graduate School of Business Administration, The University of Rochester, May 1991.
54. "Validating Information Systems Specifications based on States, Events, and Laws," IFIP Working Group 8.1 (Session on Verification and Validation of IS Design), Schärding, Austria, June 1990. (with D. Paulson).
55. "Things, Laws, and Objects," Institute of Statistics and Computer Science, The University of Vienna and the Austrian Computer Society, Vienna, June 1990
56. "Things, Laws, and Objects," Technion, Haifa, Israel, June 1990.
57. "A Model of Systems Decomposition," Tenth Annual International Conference on Information Systems, (Boston, Ma., December 1989). (with R. Weber).
58. "An Ontological Evaluation of Systems Analysis and Design Methods," IFIP WG 8.1 Working Conference on Information Systems Concepts, (Namur, Belgium, October 1989). (with R. Weber).
59. "Things, Laws, and Objects," Tel-Aviv University, Israel, October 1989.
60. "Modelling Complex Systems," Technion, Haifa, Israel, October 1989.
61. "An Ontological Foundation for Information Systems Design," University of Trondheim, Norway, Oct 1989.
62. "An Ontological Analysis of Some Fundamental Information Systems Concepts," Ninth Annual International Conference on Information Systems, (Minneapolis, Minnesota, November 1988). (with R. Weber).
63. "An Ontological Foundation for Information Systems Design Theory," Proceedings of the IFIP WG 8.4 Working Conference on Office Information System, (Linz, Austria, August 1988).
64. Y. Wand, "Information Systems Modelling - Beyond Users and Technology," Faculty of Management, Tel-Aviv University, August 1988.
65. "Information Systems Modelling - Beyond Users and Technology," Faculty of Industrial Engineering and Management, Technion, Haifa, Israel, August 1988.
66. "Using Systems Theory As the Basis for Information Systems Research," ASAC Conf, Toronto, June 1987.
67. "A System Theory Model for Formalizing Information Systems Design," Graduate School of Management, The University of Rochester, June 1987.
68. "Formalization of Information Systems Design," Dep. of Computer Science, University of Toronto, June 1987.

(e) ***Other Presentations***

**Research Seminars and Tutorials**

1. Reinhartz-Berger, A. Sturm, Y. Wand, "Domain Engineering," a half-day tutorial at CAiSE 2006, Conference on Advanced Information Systems Engineering, Luxembourg, June 2006.
2. Reinhartz-Berger, A. Sturm, Y. Wand, "Domain Engineering – Using Domain Concepts to Guide Software Design", Tutorial, presented at the ER2005 - International Conference on Conceptual Modeling (Klagenfurt, Austria, October 2005) (presented by I. Reinhartz-Berger).
3. Y. Wand, "An Object-Oriented Enterprise Model and its Use for Process Redesign", A full day workshop for the Israeli Centre for Management, Tel Aviv: June 1996.
4. Y. Wand and C. Woo, "Object-Oriented Analysis of Organizational Activities," (a half-day tutorial) IBM Cascon Conference, October 1994, Toronto.
5. Y. Wand and C. Woo, "Object-Oriented Analysis of Organizational Activities," (a half-day tutorial), 2<sup>nd</sup> International Conference on Cooperative Information Systems (CoopIS-94), Toronto, O, May 1994.

6. Y. Wand and C. Woo, "Object-Oriented Analysis of Organizational Activities," (a half-day tutorial), Informatique Cognitive des Organisations Symposium (ICO-94), Montreal, Quebec, May 1994.
7. Y. Wand and C. Woo, "Object-Oriented Systems Analysis," (a full-day tutorial), Conference on Office Systems, November 1993, San Jose, California.
8. Y. Wand, "Ontological Modelling of Information Systems Concepts," (a full-day seminar) The Finnish Doctoral Program, Oulu, Finland, June 1993.
9. Y. Wand, "Ontological Modelling of Information Systems Concepts," (a half-day tutorial). The Second Summerschool on Meta Modeling and Method Engineering, University of Twente, Enschede, the Netherlands, 12-16 May, 1993.

(g) **Conference Participation (Organizer, Keynote Speaker, etc.)**

**Conference Organization**

1. Co-Chair, Annual Symposium of the Special Interest Group on Systems Analysis and Design, Association for Information Systems, Vancouver B.C., June 1-2, 2012.
2. Steering Committee, International Conference on Conceptual Modeling, 2011.
3. Co-organizer, Onto.Com 2011: International Workshop on Ontologies and Conceptual Modeling, (in conjunction with ER 2011, the 30th International Conference on Conceptual Modeling, Brussels, Belgium, November 2011).
4. Co-Chair, The 29<sup>th</sup> International Conference on Conceptual Modeling. Vancouver, Nov. 2010.
5. Co-organizer of the second Workshop on Domain Engineering, Tunisia, June 2010 (in conjunction with CAiSE 2009).
6. Co-organizer of the first Workshop on Domain Engineering, Amsterdam, June 2009 (in conjunction with CAiSE 2009).
7. Faculty, Doctoral Consortium, The International Conference on Information Systems, Decemebr 2007, Montreal.
8. Faculty, Doctoral Consortium, The 12<sup>th</sup> Conference on Advanced Information Systems Engineering (Interlaken, Switzerland, June 2001).
9. Faculty, Doctoral Consortium, The 11<sup>th</sup> Conference on Advanced Information Systems Engineering (Stockholm, Sweden, June2000).
10. Co-organizer: Fifth International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design. (Stockholm, Sweden, June2000).
11. Co-organizer: 4<sup>th</sup> International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design. (Heidelberg, Germany, June 1999).
12. Co-organizer: 3<sup>rd</sup> International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design (Barcelona, Spain, June 1997).
13. Co-organizer: 2<sup>nd</sup> Workshop on Evaluation of Modeling Methods in Systems Analysis and Design (Crete, Greece, June 1996).
14. Co-organizer: Workshop on Evaluation of Modeling Methods in Systems Analysis and Design (Jyväskylä, Finland, June 1995).
15. Co-chair: Doctoral Consortium of the Int. Conf. on Information Systems, (Vancouver, B.C., Dec. 1994).

**Conference Program Committees**

1. CAiSE, The 27<sup>th</sup> Conf. on Advanced Information Systems Engineering, Greece, 2014.
2. ER 2013, The 33<sup>rd</sup> International Conference on Conceptual Modeling, Shanghai, PRC, November 2013.
3. CAiSE, The 24<sup>th</sup> Conf. on Advanced Information Systems Engineering, Gdansk, Poland, 2012.
4. CAiSE, The 23<sup>rd</sup> Conf. on Advanced Information Systems Engineering, London, June 2011.
5. CAiSE, The 22<sup>st</sup> Conf. on Advanced Information Systems Engineering, Tunisia, June 2010.
6. CAiSE, The 21<sup>st</sup> Conf. on Advanced Information Systems Engineering, Amsterdam, June 2009.
7. NGIT, New Generation Information Technologies, Haifa, Israel, July 2009.
8. ER 2008, The 27<sup>th</sup> International Conference on Conceptual Modeling, Spain, October 2008.
9. CAiSE 2008, The 19<sup>th</sup> Conf. on Advanced Information Systems Engineering, France, June 2008.
10. ER 2007, The 26<sup>th</sup> International Conference on Conceptual Modeling, New Zealand, November 2007.
11. CAiSE 2007, The 18<sup>th</sup> Conf. on Advanced Information Systems Engineering, Norway, June 2007.
12. ER 2006, The 25<sup>th</sup> International Conference on Conceptual Modeling, Tucson, Arizona, October 2006.
13. WITS 2006 (Workshop on Information Technologies and Systems), Milwaukee, Wisconsin, Dec. 2006.
14. CAiSE 2006, The 17<sup>th</sup> Conf. on Advanced Information Systems Engineering, Luxembourg, June 2006.
15. WITS (Workshop on Information Technologies and Systems), Milwaukee, WI, Dec. 2006.
16. ER 2006 – The 25<sup>th</sup> International Conference on Conceptual Modeling, Tucson, Arizona, October 2006.
17. NGIT 2006 – New Generation Information Technologies," Israel, July 2006.

18. WITS (Workshop on Information Technologies and Systems), Las Vegas, NV, Dec. 2005.
19. ER 2005 – The 24th International Conference on Conceptual Modeling, Klangfurt, Austria, October 2005.
20. CAiSE 2005, The 16th Conf. on Advanced Information Systems Engineering, Porto, Portugal, June 2005.
21. WITS (Workshop on Information Technologies and Systems), 2004, Washington DC. Dec. 2004.
22. FOIS 2004, Formal Ontology in Information Systems, Torino, Italy, November 2004.
23. ER 2004 – The 23rd International Conference on Conceptual Modeling, Shanghai, China, November 2004.
24. CAiSE 2004, The 15th Conf. on Advanced Information Systems Engineering, Riga, Latvia, June 2004.
25. Associate Editor - ICIS 2003, The 24<sup>th</sup> Int. Conf. on Information Systems, Seattle, Washington, Dec. 2003.
26. WITS (Workshop on Information Technologies and Systems), 2003, Seattle, Washington, Dec. 2003.
27. ER 2003, The 22th International Conference on Conceptual Modeling, Chicago, Illinois, Oct. 2003.
28. CAiSE 2003, The 15th Conf. on Advanced Information Systems Engineering, Riga, Latvia, June 2004.
29. CAiSE 2003, The 15th Conf. on Advanced Information Systems Engineering, Klagenfurt, Austria, June 2003.
30. WITS (Workshop on Information Technologies and Systems), 2002, Barcelona, Spain, Dec. 2002.
31. Associate Editor - ICIS 2002, The 23d Int. Conf. on Inf. Systems, Bancelona, Spain, Dec. 14-18, 2002.
32. ER 2002, The 21th International Conference on Conceptual Modeling, Tampere, Finland, Oct 7-11, 2002.
33. CAiSE 2002, The 14th Conf. on Advanced Inf. Systems Engineering. To be held Totonto, Ontario, May 2002.
34. WITS (Workshop on Information Technologies and Systems), 2001, Dec. 15-16, New Orleans, Louisiana
35. CAiSE 2001, The 13th Conf. on Advanced Inf. Systems Engineering, Interlaken, Switzerland, June 2000.
36. IFIP 8.1. Working Conference: "Organizational Semiotics: evolving a science of information systems" Montreal, July 2001.
37. 20<sup>th</sup> International Conf. on Conceptual Modeling (ER2001), to be held November 2001, Yokohama, Japan.
38. Co-organizer, 5<sup>th</sup> International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design. (Stockholm, Sweden, June 2000).
39. ECIS 2000 - European Conference on Information Systems, (Vienna, July 2000).
40. CAiSE 2000, The 12th Conf. on Advanced Information Systems Engineering (Stockholm, Sweden, June2000).
41. Faculty, Doctoral Consortium, CAiSE 2000, The Eleventh Conference on Advanced Information Systems Engineering (Stockholm, Sweden, June2000).
42. IFIP 81. International Working Conference: "Information System Concepts: An Integrated Discipline Emerging", (Leiden, The Netherlands, September 1999).
43. CAiSE 99, The Eleventh Conf. on Advanced Inf. Systems Engineering (Heidelberg, Germany, June1999).
44. 17th International Conference on Conceptual Modeling (ER'98), Singapore, November, 1998.
45. CAiSE 98, The Tenth Conference on Advanced Information Systems Engineering (Pisa, Italy, June1998).
46. CAiSE 97, The Ninth Conf. on Advanced Information Systems Engineering (Barcelona, Spain, June 1997).
47. Method Engineering '96, IFIP WG 8.1/8.2 Working Conference on Principles of Method Construction and Tool Support (Atlanta, Georgia, August 1996).
48. CAiSE 96, The Eighth Conf. on Advanced Information Systems Engineering, (Crete, Greece, May 1996).
49. CAiSE 95, The Seventh Conf. on Advanced Inf. Systems Engineering, (Jyväskylä, Finland, June 1995).
50. IFIP 8.1 Working Conference on "Information System Concepts: Towards a Consolidation of Views," (ISCO3), (Marburg, Germany, March 1995).
51. IFIP 8.1: CRIS 94, Comparative Review of Information Systems Methodologies, (September 94, Germany).
52. CAiSE 94, The Sixth Conf. on Advanced Information Systems Engineering, (Utrecht, Holland, June 1994).
53. CAiSE 93, The Fifth Con. on Advanced Information Systems Engineering, (Paris, France, June 1993).
54. The 11th Conference on the Entity-Relationship Approach (Karlsruhe, Germany, October 1992).
55. IFIP 8.1: "Information System Concepts: Improving the Understanding," (Alexandria, Egypt, April 1992).
56. The Twelfth Annual International Conference on Information Systems, (New York, New York, Dec. 1991).
57. DEXA 1991 - Int.I Conf. on Data Base and Expert Systems Applications, (Berlin, Germany, August 1991).
58. DEXA 1990 - Int. Conf. on Data Base and Expert Systems Applications, (Vienna, Austria, August 1990).
59. The Ninth Annual International Conference on Information Systems, (Minneapolis, Minnesota, Nov. 1988).

#### **Conference Participation** (not including presentation and tutorials)

1. Panel member, Workshop of Special Interest Group on Ontology in conjunction with the International Conference on Information systems, Shanghai, December 2011.
2. Panel member, New Directions for Conceptual Modeling. ER 2011, the 30th International Conference on Conceptual Modeling, Brussels, Belgium, November 2011.
3. Panel member, "There is nothing more practical than a good theory", BPMDS 2011 (International Conference on Business Process Modeling, Development, and Support in conjunction with CAiSE 2011), June 2011, London, UK.
4. Y. Wand, C. Woo, P. Bera, Software demonstration, "Object-Oriented Enterprise Modeling", WITS (Workshop on Information Technologies and Systems), Milwaukee WI, December 2006.



5. JAIS Theory Development Workshop faculty, ICIS, Milwaukee, WI, December 2006.
6. Panel on Data Semantics, The 25<sup>th</sup> International Conf. on Conceptual Modeling, Tucson, AZ, Nov. 2006.
7. JAIS Theory Development Workshop faculty, ICIS, Las Vegas, NV, December 2005.
8. Discussant, ICIS, Washington, DC, December 2004.
9. Member of a panel: "Towards Ontology of Ontologies.", The 21<sup>th</sup> International Conference on Conceptual Modeling (ER2002), Tampere, Finland, October 8-11, 2002.
10. Member of a panel: Data Quality, International Conf. on Information Systems, Brisbane, Australia, Dec 2000.
11. "When Parents Need Not Have Children - Cognitive Biases in Information Modeling," CAiSE 96, The 8<sup>th</sup> Conf. on Advanced Inf. Systems Engineering, (Crete, Greece, May 1996, (with K -L. Siau, and I. Benbasat).
12. Evaluating Information Systems Modeling Methods", Workshop on Evaluation of Modeling Methods in Systems Analysis and Design, Crete, Greece, May 1996 (with K-L. Siau and I. Benbasat).
13. Session Chair, Panel chair and panelist, Method Engineering '96, IFIP WG 8.1/8.2 Working Conference on Principles of Method Construction and Tool Support (Atlanta, Georgia, August 1996).
14. Panel Member, "Conceptual Modelling in Systems Development: Should it be Driven by User's or Designer's Needs?. 16<sup>th</sup> International Conference on Information Systems, Amsterdam, The Netherlands, Dec. 1995.
15. Panel member, "Nothing is as Practical as a Good Research," 7<sup>th</sup> International Conference on Advanced Information Systems Engineering (CAiSE\*95), Jyväskylä, Finland, June 1995.
16. Faculty, Doctoral Consortium, 7<sup>th</sup> International Conference on Advanced Information Systems Engineering (CAiSE \*95), Jyväskylä, Finland, June 1995.
17. Panel member. Panel on Experimental Research in Systems Development Methodologies. 15<sup>th</sup> International Conference on Information Systems, Vancouver, B.C. December 1994.
18. Session chair. Fourth Workshop on Information Systems Technologies (WITS), Vancouver, B.C. Dec. 1994.
19. Faculty, Doctoral Consortium of the Int. Conf. on Information Systems, Tallahassee, Florida, December 1993.
20. Discussant - IFIP 8.1 Working Conference, Maastricht, The Netherlands, September 1994.
21. Session chair: CAiSE 93, The Fifth Conf. on Advanced Inf. Systems Engineering, (Paris, France, June 1993)
22. Discussant - IFIP 8.1 Working Conference, Alexandria, Egypt, April 1992.
23. Panel member – 2<sup>nd</sup> Annual Workshop on Inf. Technologies and Systems (WITS), Dallas, Texas, Dec. 1992.

### Conference Presentations

1. J. Parsons and Y. Wand, "A Foundation for Open Information Environments," European Conference on Information Systems, Tel Aviv, Israel, June 2014 (short paper)
2. Y. Wand, "Classification Principles: Beyond Information Modelling", Presented at the Symposium in honor of Peretz Shoval, Ben Gurion University, July 11, 2013.
3. Panelist, the Future of Information Systems Education. Presented at the Symposium in honor of Peretz Shoval, Ben Gurion University, July 11, 2013.
4. I. Reinhartz-Berger, A. Sturm, and Y. Wand, "External Variability of Software: Classification and Ontological Foundations", Proceedings of the 30<sup>th</sup> International Conference on Conceptual Modeling (ER 2011)
5. P. Ralph and Y. Wand, "A Teleological Process Theory of Software Development ", Journal of the AIS Theory Development Workshop, Paris, December 2008 (presented by P. Ralph).
6. Y. Wand, Carson Woo, and Ohad Wand, "Role and Request Based Conceptual Modeling – A Methodology and a CASE Tool", Software Demonstration, 27<sup>th</sup> International Conference on Conceptual Modeling (ER 2008), Barcelona, Spain, October 2008.
7. Y. Wand, keynote presentation, "Using Object Concepts and UML for Conceptual Modeling", *International Workshop on Foundations and Practices of UML (FP-UML)*, in Conjunction with ER 2008, Barcelona, Spain, October 22<sup>nd</sup>, 2008 (presentation delivered by J. Parsons).
8. Y. Wand, C. Woo, and O. Wand, "Role and Request Based Conceptual Modeling – A Methodology and a CASE Tool", Software demonstration, 20<sup>th</sup> *Conference on Advanced Information Engineering (CAiSE) 2008*, Montpellier, France, June 18-20, 2008/
9. "Assigning Ontology-Based Semantics to Process Models: the Case of Petri Nets", CAiSE 2008, (June 2008, Montpellier, France), with P. Soffer and M. Kaner.
10. "Ontological Interpretation of Roles and Their Representations in an Ontological Language", *The Sixth SIGSAND Symposium on Research in Systems Analysis and Design*, (Tulsa, OK, May 2007), with P. Bera.
11. "Informational Equivalence, Computational Equivalence, and the Evaluation of Conceptual Modelling", *The Sixth SIGSAND Symposium on Research in Systems Analysis and Design*, (Tulsa, OK, May 2007), with A. Burton-Jones and R. Weber.
12. "Applying Principles of Classification to Conceptual Modeling", *The Sixth SIGSAND Symposium on Research in Systems Analysis and Design*, (Tulsa, OK, May 2007), with J. Parsons.
13. "Roles of Ontology in the Context of KMS," Proceeding of the Workshop on Systems Analysis and Design, (Vancouver, May 2006), with P. Bera.
14. "Intelligent Agents as a Modeling Paradigm," Proceedings of the 26<sup>th</sup> *Annual International Conf. on Inf. Systems*, (Las Vegas, December 2005), with K. Monu and C. Woo.

15. "Analyzing OWL using a Philosophy-Based Ontology", *Formal Ontologies in Information Systems (FOIS 2004)*, (Torino, Italy, November 2004), with P. Bera.
16. "Goal-Driven Analysis of Process Model Validity", to appear in: *Proceedings of the 16<sup>th</sup> Conference on Advanced Information Systems Engineering (CAiSE 2004)*, (Riga, Latvia, June 2004), with P. Soffer.
17. "Exploring Meta-Knowledge for Knowledge Management Systems – a Delphi Study" *Proceedings of the 24<sup>th</sup> Annual International Conf. on Inf. Systems*, (Seattle, December 2003), with D. Nevo and I. Benbasat
18. "Property-Based Semantic Reconciliation of Heterogeneous Information Sources. The 21th International Conf. on Conceptual Modeling (ER2002) , Tampere, Finland, October 8-11, 2002. Coauthor: J. Parsons.
19. "Ontological Examination of Object Interaction in Conceptual Modeling", *The Eleventh Workshop on Information Technologies and Systems, (WITS 2001)*, New Orleans, Louisiana, Dec. 15-16, 2001.
20. "Towards Ontologically-Based Semantics for UML Constructs", *The 20th International Conference on Conceptual Modeling (ER2001)*, Yokohama, Japan, November 27-30, 2001. With J. Evermann.
21. "Comparing Mandatory and Optional Properties in Conceptual Data Modeling", *Proc. of the 10th Workshop on Inf. Technologies and Systems, (WITS 2000, Brisbane, Australia, Dec. 9-10, 2000)*, with A. Gemino.
22. "Object-Oriented Modeling: From Enterprise Model to Logical Design", *Proceedings of the Tenth Workshop on Information Technologies and Systems, (WITS 2000, Brisbane, Australia, Dec. 9-10, 2000)*, with C. Woo.
23. "Using Property Precedence to Support Semantic Interoperability", *Proceedings of the Tenth Workshop on Information Technologies and Systems, (WITS 2000, Brisbane, Australia, Dec. 9-10, 2000)*.with J. Parsons. CAiSE 95, *The Seventh Conf. on Advanced Inf. Sys. Engineering, (Jyväskylä, Finland, June 1995)*.
24. *Third Workshop on Information Technologies and Systems, (Orlando, Florida, Dec. 1993)*.
25. *The Thirteenth Annual International Conference on Information Systems (Dallas, Dec. 1992)*.
26. *The Twelfth Annual International Conference on Information Systems, (New York, Dec. 1991)*.
27. *The Workshop on Information Systems Technologies and Systems (Boston, Mass., Dec. 1991)*
28. *IFIP Working Group 8.1 Conf.on The Object Oriented Approach to Inf. Sys. (Quebec City, Oct.1991)*.
29. *The Eleventh Annual International Conference on Information Systems, (Copenhagen, Dec.1990)*.
30. *The Tenth Annual International Conference on Information Systems, (Boston, December 1989)*.
31. *The IFIP WG 8.1 Working Conf.on Inf. Sys. Concepts: An In-Depth Analysis, (Namur, Belgium, Oct. 1989)*.
32. *The Ninth Annual International Conference on Information Systems, (Minneapolis, Minnesota, Nov. 1988)*.
33. *The IFIP WG 8.4 Working Conf. on Office Information System: The Design Process (Linz, Austria, 1988)*.
34. *The Annual Decision Sciences Institute Conference (Hawaii, November 1986)*.
35. *The 12th Annual Conference - American Institute for Decision Sciences, (Las Vegas, 1980)*.
36. *The 10th Annual Conference - American Institute for Decision Sciences, (St. Louis, 1978)*.

## 10. SERVICE TO THE UNIVERSITY

(a) *Memberships on committees, including offices held and dates*

### **Faculty of Commerce / Sauder School of Business**

- MIS Division Chair, Faculty of Commerce and Business Admin, then Sauder School of Business (1993-7, 1998-2002, 2003-4, 2005-8, 2009-2013).
- Member, Appointments, Promotion and Tenure Committee, Faculty of Commerce, UBC, Full Professor Level (1999-2001, 2005-8, 2015-16)  
Tenure and Associate Professor Level (1999-2001, 2005-8, 2009-10, 2015-16)
- Chair, Technology Initiatives Committee, Faculty of Commerce (1996-1997, 1998-1999)
- Member, Dean's Advisory Committee, Faculty of Commerce.
- Member, Ph.D. Committee, Faculty of Commerce, UBC, 1987-91.
- Member, Appointments, Promotion and Tenure Committee, Faculty of Commerce, UBC, 1889-92.
- Coordinator of Graduate Program (Ph.D. and M.Sc.) and Graduate Advisor, MISs Division, Faculty of Commerce, UBC, 1889-91.
- Coordinator of Ph.D. Program in Management Information Systems, Faculty of Commerce, UBC, 1887-89.

### **University Level**

- Member, selection committee for University Controller, 2001.
- Chair of the NetInfo Steering Committee (NetInfo is the access to students to various network-related services -the "information highway"). 1994-1996.
- Chaired Ph.D. examination committees for the Faculty of Graduate Studies, UBC, (since 1993).

(b) *Other service, including dates*

**11. SERVICE TO THE COMMUNITY****(a) *Memberships on scholarly societies, including offices held and dates***

Association for Information Systems (AIS) (since 1995)  
 Association for Computing Machinery (since 1986)  
 IEEE Computer Society (since 1986)  
 IFIP 8.1 Working Group (Systems Analysis and Design) (since 1990)

**(c) *Memberships on scholarly committees***

1991-96: An associate member of the task group on Framework for Information Systems Concepts (an activity of the International Federation of Information Processing (IFIP) 8.1 Working Group).

**(d) *Memberships on other committees, including offices held and dates***

CGA of Canada Curriculum Review Committee – 1989-1992.

**(e) *Editorships (list journal and dates)***

Editorial Board, Data & Knowledge Engineering Requests  
 Associate Editor, Information Quality Research  
 Editorial Board, Journal of Applied Ontology  
 Editorial Board, Journal of Data Semantics.  
 Editorial Board: Journal of Database Management.  
 Associate Editor, Requirements Engineering Journal

Acting Associate Editor, MIS Quarterly, 2006.  
 Senior Editor, Journal of the Association of Information Systems, 2003-2008.  
 Associate Editor, Journal of the Association of Information Systems, 2003-4.  
 Acting Associate Editor for *Information Systems Research*, 1999-2000.  
 Associate Editor: *Communication of the ACM*, 1993-1996.  
 Editorial board, Canadian Journal of Administrative Sciences (for Information Systems), 1993-1997.  
 Acting Associate Editor for *Management Science* (Information Systems), 1991-92.

**(f) *Reviewer (journal, agency, etc. including dates)***

Since 1987 I reviewed submissions for the following journals and granting agencies:

**Journals**

*Communications of the ACM, Contemporary Accounting Research, Decision Science, Decision Support Systems, European Journal of Information Systems, INFOR, Information Systems Research, Management Science, Journal of the Association of Information Systems (JAIS), MIS Quarterly, Organizational Science, Requirements Engineering Journal*

**Granting Agencies**

*Science Council of British Columbia, NSERC, SSHRC, Israel Science Foundation*

**(g) *External examiner (indicate universities and dates)*****Ph.D. External Examiner**

G. Willumsen, University of Trondheim, Norway, 1993.  
 D. Biran, Tel Aviv University, 1991.  
 J. Ang, University of Waterloo, 1988.  
 I. Shemer, Tel Aviv University, 1987.  
 B. Ronen, Tel Aviv University, 1986.

**(h) Consultant (indicate organization and dates)**

2013: Established by the Council of Higher education - Committee Membership – to examine Information Systems Education in universities.

2000: Advisor on the establishment of an Information Systems program for Haifa University.

1996: Workshop on Business Process Reengineering for Motorola (Europe)

1995: Workshop on Business Process Reengineering for a credit union.

1988-92: Consulting on Systems and Software Development for three companies in Vancouver.

1990-92: Consulting for the BC Ministry of Forests on the development of Expert Systems.

1982-85: Consultant for industry and the public sector in the areas of management, development and acquisition of information systems, and the Development of software products, for:

Israel Aircraft Industries, Elbit Computers Ltd. (a developer and manufacturer of computer based systems), Fertilizers and Chemicals Ltd., Advanced Automated Applications (A software house specializing in Application Generators), Technion - Administration and Finance Division.  
Various executive development seminars on Information Systems.

1976-1977 Consultant on Data Processing for the Israeli government.

**12. AWARDS AND DISTINCTIONS**

(a) *Awards for Teaching (indicate name of award, awarding organizations, date)*

***The Arne Olsen Master Teacher Award*** (Faculty of Commerce, UBC, 1992/3).

(b) *Awards for Research*

***UBC Killam Research Prize*** (UBC, January 2009)


***Senior Research Excellence Award*** (Sauder School, UBC, 2007)

(c) *Other*

***CANFOR Professor of MIS, Sauder School of Business,*** as of May 2001.

**THE UNIVERSITY OF BRITISH COLUMBIA*****Publications Record***

Date: April 20, 2015

Initials: 

SURNAME: WAND

FIRST NAME: Yair MIDDLE NAME(S):

**1. PUBLICATIONS****Journals (Peer-Reviewed)**

1. I. Reinhartz-Berger, A. Zamansky, Y. Wand, "An Ontological Approach for Increasing Software Reuse: the Cases of Inheritance and Templates", accepted to *IEEE Transactions on Software Engineering*, 2015.
2. P. Soffer, Y. Wand, M. Kaner, "Conceptualizing Routing Decisions in Business Processes: Theoretical Analysis and Empirical Testing", *Journal of the Association for Information Systems*, May 2015, 345-393.
3. P. Bera, A. Burton-Jones, Wand. Y. "How Semantics and Pragmatics Interact in Understanding Conceptual Models", *Information Systems Research*, Vol. 25, No. 2, 2014, 401–419.
4. I. Reinhartz-Berger, A. Sturm, and Y. Wand, "Comparing Functionality of Software Systems: An Ontological Approach", *Data and Knowledge Engineering. Data & Knowledge Engineering*, Volume 87, September, 2013, 320-338.
5. J. Parsons, Y. Wand, "Extending Classification Principles from Information Modeling to Other Disciplines", *Journal of the Association for Information Systems*, Volume 14, Issue 5, May 2013, 245-273.
6. D. Nevo, I. Benbasat, and Y. Wand, "The Knowledge Demands of Expertise Seekers in Two Different Contexts: Knowledge Allocation Versus Knowledge Retrieval", *Decision Support Systems*,. Volume 53 Issue 3, June, 2012, 482-489.
7. D. Nevo, I. Benbasat, and Y. Wand, "Understanding Technology Support for Organizational Transactive Memory: Requirements, Application, and Customization. *Journal of Management Information Systems*", Volume 28, Number 4, Spring 2012, 69-98.
8. P. Bera, A. Burton-Jones, and Y. Wand, "Guidelines for Designing Visual Ontologies to Support Knowledge Identification", *MIS Quarterly* (35:4) December 2011, 883-908.
9. P. Soffer, M. Kaner, Y. Wand, "Assigning Ontological Meaning to Workflow Nets", *Journal of Database Management*. Vol. 21, Issue 3, 2010, 1-35.
10. P. Bera, A. Krasnoperova, Y. Wand, "Using Ontology Languages for Conceptual Modeling" *Journal of Database Management*, Vol. 21, Issue 1, 2010, 1-28.
11. A. Burton-Jones, Y. Wand and R. Weber, "Informational Equivalence, Computational Equivalence, and the Evaluation of Conceptual Modelling", *Journal of the Association for Information Systems*, Vol. 10, Issue 6. June 2009, 495-532.
12. J. Evermann and Y. Wand, "Ontology Based Object Oriented Domain Modeling – Representing Behavior", *Journal of Database Management*, Vol. 20, Issue 1, 2009, 48-77.
13. J. Parsons and Y. Wand, "Using Cognitive Principles to Guide Classification in Information Systems Modeling", *MIS-Quarterly*, 32(4), December 2008, 839-868.
14. J. Parsons and Y. Wand, "A Question of Class", *Nature*, Vol. 455, October 23, 2008, 1040-1041.
15. D. Nevo, B. Furneaux and Y. Wand, "Towards an evaluation framework for knowledge management systems", *Information Technology and Management*, Vol. 9, Issue 4, December 2008, 233-249.
16. P. Soffer and Y. Wand, "Goal-Driven Multi-Process Analysis", *Journal of the Association of Information Systems*, Vol. 8 No. 3, March 2007, 175-202.
17. J. Evermann and Y. Wand, "Ontological Modelling Rules for UML: An Empirical Assessment," *Journal of Computer Information Systems*, Vol. 46, 2006, No 5, 14-29.
18. Y. Wand and R. Weber, "On Ontological Foundations of Conceptual Modeling", *Scandinavian Journal of Information Systems*, Volume 18, No. 1, 2006, 127-138.
19. P. Bera, D. Nevo, Y. Wand, "Unraveling Knowledge Requirements Via Business Process Analysis: A Case Study", *Communications of the AIS*, Volume 16, 2005, 814- 830.
20. P. Soffer and Y. Wand, On the Notion of Soft-Goals in Business Process Modeling, *Business Process*

- Management Journal*, Vol. 11, No. 6, 2005, 663-679.
21. J. Evermann and Y. Wand, "Ontology Based Object-Oriented Domain Modelling: Fundamental Concepts", *Requirements Engineering Journal*, Volume 10, Number 2, May 2005 pp. 146-160.
  22. A. Gemino and Y. Wand, "Complexity and clarity in conceptual modeling: Comparison of mandatory and optional properties" *Data and Knowledge Engineering*, 55 (2005) 301–326.
  23. Nevo, D. and Y. Wand, "Organizational Memory Information Systems: A Transactive Memory Approach", *Decision Support Systems*, 39 (2005) 549-562.
  24. J. Evermann and Y. Wand, "Towards Formalizing Domain Modeling Semantics in Language Syntax", *IEEE Transactions on Software Engineering*, Vol. 31, No. 1, January 2005, pp 21-37.
  25. A. Gemino and Y. wand, "A framework for empirical Evaluation of Conceptual Modeling Techniques", *Requirements Engineering Journal*, Vol. 9, No. 4, November 2004, pp. 248 – 260.
  26. Parsons, J. and Y. Wand, "Attribute-Based Semantic Reconciliation of Multiple Data Sources", *Journal on Data Semantics (a subline of Lecture Notes in Computer Science - Springer)*, Vol. 1.1, October 2003, 21 - 47.
  27. Gemino, A. and Y. Wand, "Evaluation of Modeling Techniques Based on Models of Learning", *Communications of the ACM*, October 2003, 79-84.
  28. Wand and R. Weber, "Research Commentary: Information Systems and Conceptual Modelling – A Research Agenda", *Information Systems Research*, December 2002, Vol. 13 No. 4, 363-376.
  29. P. Soffer, B. Golany, D. Dori and Y. Wand, "Modeling Off-the-Shelf Information Systems Requirements: An Ontological Approach ", *Requirements Engineering*, 2001, 6:183-199.
  30. J. Parsons and Y. Wand, "Emancipating Instances from the Tyranny of Classes in Information Modelling", *ACM Transactions on Database Systems*, Vol. 5, No. 2, June 2000, pp. 228-268.
  31. Y. Wand, V. Storey, and R. Weber, "An Ontological Analysis of the relationship Construct in Conceptual Modelling", *ACM Transactions on Database Systems*, Vol. 24, No. 4, December 1999, pp. 494-528.
  32. J. Parsons and Y. Wand, "Using Objects in Systems Analysis," *Communications of the ACM*, Vol. 40, No. 12, (December 1997), pp. 104-110.
  33. K-L. Siau, Y. Wand, I. Benebasat, "The Relative Importance of Structural Constraints and Surface Semantics in Information Modelling," *Information Systems*, Vol. 22, No. 2&3, 1997, pp. 155-170.
  34. J. Parsons and Y. Wand, "Choosing Classes in Conceptual Modeling," *Communications of the ACM*, Vol 40, No. 6 (June 1997), pp. 63-69.
  35. Y. Wand and R. Wang, "Anchoring Data Quality Dimensions in Ontological Foundations," *Communications of the ACM*, Vol. 39, No. 11 (November 1996) pp. 86-95.
  36. Y. Wand, "Ontology as a Foundation for Meta-Modelling and Method Engineering," *Information and Software Technology*, 38 (1996) 281-287.
  37. Y. Wand and R. Weber, "On the Deep Structure of Information Systems," *Journal of Information Systems*, July 1995, Volume 5, Issue 3, 203-223.
  38. Y. Wand, D. Monarchi, J. Parsons and C. Woo, "Theoretical Foundations for Conceptual Modelling in Information Systems Development," *Decision Support Systems*, 15 No. 4 (Dec. 1995) pp. 285-304.
  39. M. Johnston, Y. Wand, and M. Curran, "An Expert System to Support Site Preparation Decisions in Reforestation," *INFOR*, August 1993, pp. 23-47.
  40. Y. Wand and R. Weber, "On the Ontological Expressiveness of Information Systems Analysis and Design Grammars," *Journal of Information Systems*, 1993, No. 3, pp. 217-237.
  41. D. Paulson and Y. Wand, "An Automated Approach to Information Systems Decomposition," *IEEE Transactions on Software Engineering*, Vol. 18 No. 3, March 1992, pp. 174-189.
  42. Y. Wand and R. Weber, "An Ontological Model of an Information System," *IEEE Transactions on Software Engineering*, Vol. 16, No. 11, November 1990, pp. 1282-1292.
  43. Y. Wand and R. Weber, "A Model of Control and Audit Procedure Change in Evolving Data Processing Systems," *The Accounting Review*, Vol. LXIV, No. 1, January 1989, pp. 87-107.
  44. M.C. Munro and Y. Wand, "On Empirical MIS Research: The Case of Information Requirements Analysis," *Canadian Journal of Administrative Sciences*, Vol 3, 1986, pp. 359-375.
  45. I. Benbasat and Y. Wand, "A Structured Approach to Designing Human-Computer Dialogue," *International Journal of man-Machine Studies*, Vol. 21, 1984, 105-126.
  46. I. Benbasat and Y. Wand, "Command Abbreviation Behaviour in Human/Computer Interaction,"

*Communications of the ACM*, Vol. 27, 1984, pp. 376-383.

47. N. Ahituv and Y. Wand, "Information Evaluation under Two Business Objectives," *Decision Sciences*, Vol. 15, 1984, pp. 31-51.
48. I. Benbasat and Y. Wand, "A Dialogue Generator and Its Use in DSS Design," *Information and Management*, Vol. 5, 1982, pp. 231-241.
49. J. Halpern, E. Sarisamlis and Y. Wand, "An Activity Network Approach for the Analysis of Firefighting Operations," *Management Science*, Vol 28, 1982, pp. 1121-1136.
50. O. Berman and Y. Wand, "Service Decisions with Two Criteria," *IEEE Transactions on Systems, Man and Cybernetics*, Vol. 12, 1982, pp. 549-551.
51. N. Ahituv, M.C. Munro and Y. Wand, "The Value of Information in Information Analysis," *Information and Management*, Vol. 4, 1981, pp. 143-150.
52. N. Ahituv and Y. Wand, "Information Evaluation and Decision Maker's Objectives," *Interfaces*, Vol. 11, 1981, pp. 24-33.
53. J. Halpern and Y. Wand, "Quantitative Measures for Characteristics of a State Dependent Assignment Policy," *Decision Sciences*, Vol 11, 1980, pp. 135-150.
54. J. Halpern, G.D. Isherwood and Y. Wand, "The Relationship Between Response Time and Fire Property Losses," *INFOR*, Vol. 17, 1979, pp. 373-389.
55. R. Moreh and Y. Wand, "Absorption of 6.42 Mev Photons," *Nuclear Physics A*, 1976, pp. 423-428.
56. S. Strikman, Y. Wand and W. Wholfarth, "Magnetic Field Dependence of the Capacity of a Twisted Nematic Liquid Crystal Cell," *Physics Letters*, Vol. 37A, 1971, pp. 369-370.
57. J. Tenenbaum, R. Moreh, G. Ben-David and Y. Wand, "Study of the Level Structure of  $^{50}\text{Ti}$  and  $^{51}\text{Ti}$  Using the  $^{49}\text{Ti}(n,\gamma)$  and  $^{50}\text{Ti}(n,\gamma)$  Reactions," *Physical Review C3*, 1971, pp. 673-671.
58. R. Moreh, D. Salzman and Y. Wand, "Precise Measurements of Attenuation Coefficients of  $\gamma$  Rays in the 7.5 Mev Region," *Physics Letters*, 30B, 1969, pp. 536-537.
59. J. Tenenbaum, R. Moreh, G. Ben-David and Y. Wand, "Study of the Level Structure of  $^{48}\text{Ti}$ , Using the  $^{47}\text{Ti}(n,\gamma)$  Reaction," *Physical Review*, Vol 187, 1969. pp. 1403-1409.
60. J. Tenenbaum, R. Moreh, B. Arad, G. Ben-David and Y. Wand, "Study of the Level Structure of  $^{47}\text{Ti}$  Using the  $^{46}\text{Ti}(n,\gamma)$  Reaction," *Physical Review*, Vol. 177, 1969, pp. 1595-1605.

### **Non-Refereed Journals**

61. D. Nevo, I. Benbasat, and Y. Wand, Who Knows What? *Wall Street Journal/Sloan Management Review*, October 20, 2009.

### **Book Chapters (by invitation)**

62. P. Ralph and Y. Wand, "A Proposal for a Formal Definition of the Design Concept", in: *Design Requirements Engineering: A Ten-Year Perspective*, Kalle Lyytinen, Peri Loucopoulos, John Mylopoulos, and Bill Robinson (eds.), 2009, Springer, 103-135.
63. Y. Wand and R. Weber, "Ontology as a Formal Foundation for Information Systems Concepts," in: *Studies in Bunge's Treatise on Basic Philosophy*, G. Dorn and P. Weingartner (eds.), the Poznan Studies in the Philosophy of the Sciences and the Humanities, Rodopi, Amsterdam, 1990, pp. 123-150.
64. Y. Wand, "A Proposal for a Formal Model of Objects," in: *Object-Oriented Concepts, Languages, Applications, and Databases*, Kim, W. and F.H. Lochovsky, eds., pp. 537-559, ACM Press, Addison Wesley Publishing Co., 1989, pp. 537-559.

### **Conference Proceedings (refereed)**

65. I. Reinhartz-Berger, A. Zamansky, Y. Wand: Taming Software Variability: Ontological Foundations of Variability Mechanisms. Proceedings of the 34th International Conference on Conceptual Modeling (IC2M 2015), Stockholm, Sweden, 399-406.
66. J. Parsons and Y. Wand, "A Foundation for Open Information Environments," European Conference on Information Systems, Tel Aviv, Israel, June 2014, (short paper).
67. Iris Reinhartz-Berger, N. Itzik, and Y. Wand, "Analyzing Variability of Software Product Lines Using Semantic

- and Ontological Considerations”, Advanced Conference of Information Systems, 2014, Greece. Published by Springer, 150-164.
68. M. Asadi, D. Gasevic, Y. Wand, M. Hatala, “Deriving Variability Patterns in Software Product Lines by Ontological Considerations”, Proceedings of the 31st International Conference on Conceptual Modeling (ER 2012), Florence, Italy, 397-408.
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