



Donald James Berndt

Information Systems and Decision Sciences
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Education

Ph.D. in Business Administration ([Information Systems/Management](#)), 1997
[Stern School of Business, New York University](#)

Thesis: “Designing a Knowledge Discovery Tool: The AX System”
Advisors: James Clifford and Henry C. Lucas, Jr.

M.Phil. in Business Administration ([Information Systems](#)), 1993
[Stern School of Business, New York University](#)

M.S. in Computer Science, 1983
[Computer Science Department, State University of New York at Stony Brook](#)

Thesis: “A Transition Network Based User Interface”
Advisor: Herbert Gelernter

B.S. in Zoology, 1979
[University of Rhode Island](#)

Pursuing graduate coursework in the Executive MPH program offered through the College of Public Health at the University of South Florida.

Professional Experience

Associate Professor, 2003 – Present

Assistant Professor, 1995 – 2003

Information Systems, [College of Business Administration, University of South Florida](#)

Duties include teaching in the information systems programs (undergraduate and graduate), as well as selected professional development programs. Participated in the curriculum design and launch of the Master of Science in Information Systems (served as the Associate Director). This included developing and teaching two of the three core courses for the program (in database systems and data communications), as well as several elective courses.

- Collaborating Investigator (2005 – present), James A. Haley VAMC, HSR&D/RR&D Research Center of Excellence: Maximizing Rehabilitation Outcomes, working in medical informatics and data mining the electronic health record. Recent work is focused on text mining clinical notes under the auspices of the Consortium for Health Informatics Research (CHIR), a nationwide VA informatics initiative.
- Researcher in the [Center for Health Outcomes Research](#), specialized in health informatics and the application of data warehousing technologies.
- Researcher in the [National Institute for Systems Test and Productivity](#) (NISTP) pursued work in software testing, including the use of genetic algorithms for automated test case generation.



Co-Founder and Chief Technology Officer, 1998 – 2009
[Medegy](#) (Healthcare Information Management Company)

Medegy delivered innovative data warehousing, data mining, and related analytic services to the healthcare sector, such as hospitals, government agencies, and other stakeholders. The corporate mission included technology transfer from university research to the commercial marketplace as part of the business incubator at the University of South Florida.

Lecturer, 1993 – 1995
[Computer Science Department, State University of New York at Stony Brook](#)

Duties included teaching in both the computer science and information systems programs, as well as serving on the committee for undergraduate curriculum development.

Instructor and Research Assistant, 1989 – 1993
[Stern School of Business, New York University](#)

Duties included teaching MBA-level courses. Worked with Dr. Hank Lucas on research projects including evaluation of AESOP, a stock options pricing expert system in use on the American Stock Exchange, and a case study of electronic imaging technology for securities at Merrill Lynch.

Senior Research Programmer, 1989
[Department of Computer Science, Yale University](#), New Haven, Connecticut

Principal activity was the development of Linda parallel programming environments for current multiprocessors (in C). Also developed a UNIX-LAN version of Linda that allows standard UNIX computers to be harnessed together and used for network based parallel programming.

Product Manager, 1988
Scientific Computing Associates, Inc., New Haven, Connecticut

Primary responsibility was the promotion of commercial Linda parallel programming environments, including presentations, beta-test programs, and sales support for joint marketing partners. Wrote Linda reference manual and sales literature. Prepared proposals for the Small Business Innovative Research (SBIR) Program.

Software Engineer, 1987 – 1988
Cognitive Systems, Inc., New Haven, Connecticut

Designed and implemented software for the financial and banking industries using natural language understanding technology, such as telex processing and classification systems (using Common Lisp). Dr. Roger Schank, Director of the Yale University Artificial Intelligence Laboratory, was one of the founders of Cognitive Systems, Inc.

Systems Analyst/Programmer, 1982 – 1987
[Computer Science Department, SYNCHEM Research Group, State University of New York at Stony Brook](#)

SYNCHEM is an artificial intelligence/expert systems research effort in the domain of synthetic organic chemistry, directed by Dr. Herbert Gelernter. Main responsibilities were software design, development, and integration (using C and PL/I). Projects included a graphical molecular interface, knowledge base editor, and effort distribution in heuristic search guidance. Wrote and presented business plan for commercialization of SYNCHEM technology.

Teaching Experience

Information Systems and Decision Sciences, College of Business Administration, University of South Florida

Database Management (ISM 4212), Fall 1995

This course is a central component of the undergraduate information systems major, covering the theory and design of databases. The relational model is the focus, with experience on Microsoft Access and a large-scale system (Sybase or Oracle).

Business Data Communications (ISM 4220), Spring 1996, Fall 1996 – 1997

This course surveys current issues in communications technologies from a business-oriented perspective, such as transmission media, local area networks, packet switching networks, and network management issues. Example technologies include Ethernet, Fast Packet Switching, ATM, Fibre Channel, and the TCP/IP Protocol.

Database Management (ISM 6217), Summer 1997

This is an introductory database course for the MBA program. The relational model is the focus, with experience on Microsoft Access and Oracle.

Advanced Database Systems (ISM 6218), Fall 1999 – 2010, Spring 1997 – 2011

This is a core course in our Masters in Management: Information Systems and a MBA elective. The course reviews fundamental relational database concepts and goes on to explore a range of topics, including: object-oriented databases, transaction management, data warehousing, and data mining. The course uses the Oracle DBMS to illustrate important concepts in class and for group projects.

Distributed Information Systems (ISM 6225), Fall 1996 – 1997, Spring 1998 – 1999

This course is a core component of our new Masters in Management: Information Systems program and a MBA elective. It is intended as a graduate-level course in data communications technologies with a balance between technical coverage and managerial issues.

Data Warehousing (ISM 6930), Fall 1998 – 2008, Spring 2010 – 2011

This course is a new elective developed for the Masters in Management Information Systems program, as well as technically oriented MBA students. The course contrasts data warehousing with more traditional transaction processing systems, covers data warehouse design techniques, the data warehouse life cycle, interface design issues, and introduces data mining technologies. The students pursue several design activities and complete a semester-long data warehouse project. The Oracle DBMS and associated tools are typically used.

Data Mining (ISM 6930), Summer 2001, Spring 2003 – 2007

This course is another elective developed for the Masters in Management Information Systems program, as well as technically oriented MBA students. The course includes a brief review of data warehousing technologies and in-depth coverage of current data mining techniques, such as decision tree induction, artificial neural networks, genetic algorithms, and association rule mining. The students develop practical skills by using state-of-the-art tools (e.g., Oracle Darwin and SPSS Clementine) for a semester project based on the KDD Cup competition.

Workshop in Database Design (ISM 6930), Summer 1997

This course is a “hands-on” workshop in which students participate in designing and implementing real database projects. A range of skills from each step in the database design life cycle are exercised in a team-oriented environment. The Oracle Server and client-side tools are used to implement the prototype systems.

Seminar on Technical Information Systems Research (ISM 6930), Spring (Biennial) 1999 – 2005

This seminar is part of the required research seminar series in the doctoral program within the Information Systems and Decision Sciences Department. The seminar includes several modules that focus on particular areas of research interest, with each module presented by a different faculty member. My participation has included modules on data warehousing and data mining.

Computer Science Department, State University of New York at Stony Brook

Seminar on Digital Multimedia Systems (CSE 668), Spring 1995

This course is a graduate-level reading course based on current multimedia conferences and journals.

Fundamentals of Information Systems (ISE 112), Fall: 1993 – 1994, Spring: 1994 –1995

This course is a required introduction to fundamentals of computer science and information technologies for information systems majors. Topics include: principles of computer systems, algorithms, and an introduction to the UNIX operating system.

Computer Science I (CSE 114), Fall 1993, Spring 1994

This required course is a large, multiple section, introduction to fundamental topics in computer science for computer science majors. Students explore the analysis and development of software through a series of programming projects, including object-oriented techniques.

Stern School of Business, New York University

Information Systems for Management (B07.2315), Fall 1992

This course is part of the core curriculum for all MBA students. The course has two main themes: 1) the management of technology within the firm, including the role of the IS group, discovering strategic opportunities, and managing information systems; and 2) the analysis of information needs and the design of systems and organizational elements to meet those needs. Case studies are used to highlight current issues.

Advanced Software (B20.3322): UNIX and C/C++ Programming, Summer 1991, Spring 1992

This course is an elective MBA course intended to introduce students to more advanced software development techniques. The students are introduced to the UNIX operating system and some of the available programming tools, such as AWK programming, shell scripts, and C/C++ programming. Fundamental programming methodologies are discussed throughout the course.

Professional Training Classes

Oracle Data Warehousing Fundamentals, 11/1999

This is an Oracle Education course sponsored by Educational Outreach at the University of South Florida. This course is a survey of data warehousing technologies and related Oracle products for IT professionals.

Introduction to the C Programming Language, 7/1997

Object-Oriented Programming using C++, 8/1997

Unix System Programming, 5/1996

These courses are part of a professional C/C++ programming sequence offered by Educational Outreach at the University of South Florida and cover material at an introductory level through advanced programming in the UNIX environment.

Refereed Journals

1. J. McCart, D. Finch, J. Jarman, E. Hickling, J. Lind, M. Richardson, D. Berndt and S. Luther, "Using Ensemble Models to Classify the Sentiment Expressed in Suicide Notes," *Biomedical Informatics Insights Journal*, 5(Supplement 1): 77-85, 2012 ([doi: 10.4137/BII.S8931](https://doi.org/10.4137/BII.S8931)).
2. S. Luther, D. Berndt, D. Finch, M. Richardson, E. Hickling, D. Hickam, "Using Statistical Text Mining to Supplement the Development of an Ontology," *Journal of Biomedical Informatics*, 2011 ([doi:10.1016/j.jbi.2011.11.001](https://doi.org/10.1016/j.jbi.2011.11.001)).
3. K. N. Alhayyyan, R. W. Collins, J. L. Jones, and D. J. Berndt, "Economic Culture and Prediction Markets," *Journal of Systemics, Cybernetics and Informatics*, 9(6): 69-74, 2011.
Journal: <http://www.iiisci.org/Journal/SCI/>.
4. Monica Chiarini Tremblay, Alan R. Hevner, and Donald J. Berndt, "Focus Groups for Artifact Refinement and Evaluation in Design Research," *Communications of the Association for Information Systems*, 26(27): 599-618, June 2010.
5. M. Tremblay, D. Berndt, S. Luther, P. Foulis, and D. French, "Identifying Fall-Related Injuries: Text Mining the Electronic Medical Record," *Information Technology and Management*, 10: 253–265, 2009.
6. Joni L. Jones, Rosann Webb Collins, and Donald J. Berndt, "Information Markets: A Research Landscape," *Communications of the Association for Information Systems*, 25(27): 289-304, September 2009.
7. Dezon Finch and Donald J. Berndt, "Understanding Trader Heterogeneity in Information Markets," *Journal of Systems and Information Technology*, 10(2): 109-119, 2008.
8. R. Leighty, M. Runfeldt, D. Berndt, W. Schleif, J. Cracchiolo, H. Potter, and G. Arendash, "Use of Artificial Neural Networks to Determine Cognitive Impairment and Therapeutic Effectiveness in Alzheimer's Transgenic Mice," *Journal of Neuroscience Methods*, 167(2): 358-366, January 2008.
9. Monica Chiarini Tremblay, Robert M. Fuller, Donald J. Berndt, and James Studnicki, "Doing More with More Information: Changing Healthcare Planning with OLAP Tools," *Decision Support Systems, Special Issue on Decision Support in Medicine*, 43(4): 1305-1320, August 2007.
10. D. Berndt, J. Fisher, J. Griffiths, A. Hevner, S. Luther, and J. Studnicki, "The Role of Data Warehousing for Bioterrorism Surveillance," *Decision Support Systems, Special Issue on Cyberinfrastructure for Homeland Security*, 43(4): 1383-1403, August 2007.
11. J. Studnicki, L. Gipson, D. Berndt, J. Fisher, M. Callander, E. Pracht, and B. Langland-Orban, "Special Healthcare Taxing Districts: Impact on Population Health Status," *American Journal of Preventive Medicine (AJPM)*, 32(2), February 2007.
12. Christopher J. Davis, Robert M. Fuller, Monica Chiarini Tremblay, and Donald J. Berndt, "Communication Challenges in Requirements Elicitation and the Use of the Repertory Grid Technique," *Journal of Computer Information Systems*, 46(5): 78-86, 2006.
13. A. Watkins, E. M. Hufnagel, D. Berndt, and L. Johnson, "Using Genetic Algorithms and Decision Tree Induction to Classify Software Failures," *International Journal of Software Engineering and Knowledge Engineering*, 16(2): 269-291, 2006.
14. J. Studnicki, D. Berndt, S. Luther, J. Fisher, K. van Caulil, M. Brennan, Y. Martinez, and P. Clarke, "Hispanic Health Status in Orange County, Florida," *Journal of Public Health Management and Practice*, 11(4): 326-332, 2005.

15. J. Studnicki, D. Berndt, S. Luther, and J. Fisher, "The Application of Volume-Outcome Contouring in Data Warehousing," *Journal of Healthcare Information Management*, 18(4): 49-55, Fall 2004.
16. Donald J. Berndt, Alan R. Hevner, and James Studnicki, "The CATCH Data Warehouse: Support for Community Health Care Decision Making", *Decision Support Systems*, 35: 367-384, 2003.
(See also a related interview at <http://infosys.society.informs.org/News/Features/Hevner2002>.)
17. Donald J. Berndt, John W. Fisher, Alan R. Hevner, and James Studnicki, "Health Care Data Warehousing and Quality Assurance," *IEEE Computer*, 34(12): 33-42, December 2001.
Paper: [computer2001quality.pdf](#)
18. J. Studnicki, A. Hevner, D. Berndt, and S. Luther, "A National Report Card: Rating the Health Status of U.S. Communities," *Managed Care Interface*, 14(11): 43-51, November 2001.
Paper: [mci2001ratings.pdf](#)
19. J. Studnicki, A. Hevner, D. Berndt, and S. Luther, "Comparing Alternative Methods for Composing Community Peer Groups: A Data Warehouse Application," *Journal of Public Health Management and Practice*, 7(6): 86-95, 2001.
20. Donald J. Berndt, Alan R. Hevner, and James Studnicki, "Data Warehouse Dissemination Strategies for Community Health Assessments," *Informatik/Informatique* (Journal of the Swiss Information Processing Societies), 1, February 2001.
Paper: [informatique2001hci.pdf](#)
➤ Through a joint publication effort, a Spanish translation of the article also appears in *Upgrade and Novatica*, 149, February 2001.
Abstract: [estrategias.html](#)
21. C. Hendricks Brown, Don Berndt, Joseph M. Brinales, Xiang Zong, and Deepak Bhagwat, "Evaluating the Evidence of Effectiveness for Preventive Interventions: Using a Registry System to Influence Policy through Science," *Addictive Behaviors*, 25(6): 955-964, 2000.
22. L. Wackett, L. Ellis, S. Speedie, D. Heshberger, H. Knackmuss, A. Spormann, C. Walsh, L. Forney, W. Punch, T. Kazic, M. Kanehisa, and D. Berndt, "Predicting Microbial Biodegradation Pathways," *American Society for Microbiology (ASM) News*, 65(2): 87-93, February 1999. This article is derived from a workshop held at the University of Minnesota.
23. J. Studnicki, B. Steverson, B. Myers, A. Hevner, and D. Berndt, "Comprehensive Assessment for Tracking Community Health (CATCH)," *Best Practices and Benchmarking in Healthcare*, 2(5): 196-207, September/October, 1997.
Paper: [bpbh1997catch.pdf](#)
24. Zur Shapira and Donald J. Berndt, "Managing Grand-Scale Construction Projects: A Risk Taking Perspective," *Research on Organizational Behavior*, 19: 303-360, 1997.
25. Henry C. Lucas, Jr., Donald J. Berndt, and Greg Truman, "A Reengineering Framework for Evaluating a Financial Imaging System," *Communications of the ACM*, 39(5): 86-96, May 1996.
Paper: [cacm1996reengineering.pdf](#)
26. M. Arango, D. Berndt, N. Carriero, D. Gelernter, and D. Gilmore, "Adventures with Network Linda," *Supercomputing Review*, 10(3): 42-46, October 1990.
Paper: [sr1990linda.pdf](#)
27. Joseph D. Benstock, Donald J. Berndt, and Krishna K. Agarwal, "Graph Embedding in SYNCHEM2: An Expert System for Organic Discovery," *Discrete Applied Mathematics*, 19:45-63, 1988.

Books, Book Chapters, and Edited Works

1. Monica Chiarini Tremblay, Alan R. Hevner, and Donald J. Berndt, "The Use of Focus Groups in Design Science Research," Chapter 10, *Design Research in Information Systems*, Integrated Series in Information Systems, Volume 22, Edited by A. Hevner and S. Chatterjee, Springer Science+Business Media, 2010.
2. Rana Farid Mikhail, Donald Berndt, and Abraham Kandel, *Automated Database Applications Testing: Specification Representation for Automated Reasoning*, Series in Machine Perception and Artificial Intelligence, Volume 76, World Scientific Publishing, 2010.
3. Donald J. Berndt, Monica Chiarini Tremblay, and Stephen L. Luther, "Data Mining and Knowledge Discovery on EHRs," *Information Discovery on Electronic Health Records*, CRC Data Mining and Knowledge Discovery Series, Edited by Vagelis Hristidis, Chapman & Hall (www.CRCPress.com), 2009.
4. J. Studnicki, D. Berndt, J. Fisher, "Using Information Systems for Public Health Administration," *Public Health Administration: Principles for Public Health Administration*, Second Edition, Edited by Lloyd Novick, Cynthia Morrow, and Glen Mays, Jones and Bartlett Publishers (www.jbpub.com), Sudbury, Massachusetts, 2008.
5. D. Berndt, A. Hevner, and J. Griffiths, "Managing Real-Time Bioterrorism Surveillance Data," Chapter in *National Security*, Edited by H. Chen, T.S. Raghu, R. Ramesh, A. Vinze, and D. Zeng, Handbooks in Information Systems Series, Elsevier, Inc., 2006.
6. J. Studnicki, A. Hevner, and D. Berndt, "Using Data to Meet a Policy Objective: Community Health Assessment Practice with the CATCH Data Warehouse," Chapter 30 in *Public Health Informatics and Information Systems*, Edited by P. O'Carroll, W. Yasnoff, M. Ward, L. Ripp, and E. Martin, Health Informatics Series, Springer-Verlag, New York, 2003, pp. 661-680.
7. Alan R. Hevner and Donald J. Berndt, "Eras of Business Computing," *Advances in Computers*, Volume 50, Edited by M. Zelkowitz, Academic Press, 2000.
8. Donald J. Berndt and James Clifford, "Finding Patterns in Time Series: A Dynamic Programming Approach," *Advances in Knowledge Discovery in Databases*, AAAI Press, 1996. By invitation for selected papers from KDD-94.
9. Donald J. Berndt, "C-Linda Reference Manual," Scientific Computing Associates, January 1989. Revised version in N. Carriero and D. Gelernter, *How to Write Parallel Programs*, MIT Press, 1990.

Refereed Proceedings and Presentations

1. S. L. Luther, D. J. Berndt, D. Finch, E. Hickling, and D. Hickam. "Using Statistical Text Mining to Supplement the Development of an Ontology," *American Medical Informatics Association (AMIA) 2011 Clinical Research Informatics Summit*. San Francisco, CA, March 9-11, 2011. This paper was selected for a Distinguished Paper Award.
2. J. Jarman and D. J. Berndt, "Combining Natural Language Processing and Statistical Text Mining: Classifying Fall-Related Progress Notes," *Veterans Administration Health Services Research & Development Service Annual Meeting*, National Harbor, MD, February 16-18, 2011. Abstract and presentation: <http://www.hsrdr.research.va.gov/meetings/2011/>.
3. S. L. Luther, D. J. Berndt, D. Finch, E. Hickling, and D. Hickam, "Statistical Text Mining to Supplement the Development of a Clinical Vocabulary for PTSD in Veterans," *Veterans Administration Health Services Research & Development Service Annual Meeting*, National Harbor, MD, February 16-18, 2011. Abstract and presentation: <http://www.hsrdr.research.va.gov/meetings/2011/>.

4. J. McCart, D. Finch, J. Jarman, E. Hickling, J. Lind, M. Richardson, D. Berndt and S. Luther, "Using Ensemble Models to Classify the Sentiment Expressed in Suicide Notes," *Proceedings of the 2011 I2B2 Conference*, Washington D.C, 2011. Poster presentation.
5. Donald J. Berndt, James A. McCart, and Stephen L. Luther, "Using Ontology Network Structure in Text Mining," *American Medical Informatics Association (AMIA) Annual Symposium*, Washington, DC, November 13-17, 2010.
6. J. Jarman and D. J. Berndt, "Throw the Bath Water Out, Keep the Baby: Medically Relevant Terms for Text Mining," *American Medical Informatics Association (AMIA) Annual Symposium*, Washington, DC, November 13-17, 2010.
7. Donald Berndt, Dezon Finch, Phil Foulis, and Stephen L. Luther, "The Impact of Data and Target Quality on Text Mining Clinical Notes" *American Medical Informatics Association (AMIA) Annual Symposium*, Washington, DC, November 13-17, 2010. Abstract and presentation.
8. K. N. Alhayyyan, R. W. Collins, J. L. Jones, and D. J. Berndt, "Economic Culture and Prediction Markets," *Proceedings of the International Multi-Conference on Complexity, Informatics and Cybernetics (IMCIC 2010)*, Orlando, Florida, April 6-9, 2010.
Program: <http://www.iis2010.org/imcic/program/html/program-26.htm>.
9. D. J. Berndt, PhD, S. L. Luther, PhD, D. K. Finch, MS, MIS, P. Foulis, MD, MPH, M. Chiarini-Tremblay, PhD, and R. Vanderploeg, PhD, "Using Text Mining to Differentiate Between PTSD and Mild TBI in OEF/OIF Veterans: Preliminary Results," *American Medical Informatics Association (AMIA) Spring Congress*, Orlando, Florida, May 28-30, 2009.
10. Jamie G. Craighead, Donald J. Berndt, and Stephen L. Luther, "Naturally Occurring Incidents as Facsimiles for Bioterrorist Attacks: An Extended Analysis," *American Medical Informatics Association (AMIA) Spring Congress*, Orlando, Florida, May 28-30, 2009.
11. M. Tremblay, D. Berndt, and A. Hevner, "Measuring Information Volatility in a Health Care Information Supply Chain," *Proceedings of Design Science Research in Information Systems and Technology (DESRIST 2009)*, Philadelphia, Pennsylvania, May 2009.
12. J. A. McCart, J. L. Jones, B. Padmanabhan, and D. J. Berndt, "Identifying Valuable Information Patches in Long Tail Sites: An Information Foraging Perspective," *Proceedings of the 18th Workshop on Information Technology and Systems (WITS 2008)*, Paris, France, December 13-14, 2008.
13. J. Jarman, J. A. McCart, D. J. Berndt, and J. Ligatti, "A Dynamic Query-Rewriting Mechanism for Role-Based Access Control in Databases," *Proceedings of the Fourteenth Americas Conference on Information Systems (AMCIS 2008)*, Toronto, Ontario, Canada, August 14-17, 2008.
14. S. L. Luther, D. J. Berndt, M. Tremblay, P. Foulis, D. D. French, G Powell-Cope, and R. Campbell, "Using Text Mining to Identify Fall-related Injuries in the VA: A Pilot Study," *Academy Health Annual Research Meeting* (www.academyhealth.org), Washington, DC, June 8-10, 2008. Abstract and presentation.
15. M. Tremblay, A. Hevner, and D. Berndt, "The Use of Focus Groups in Design Science Research," *Proceedings of Design Science Research in Information Systems and Technology (DESRIST 2008)*, Atlanta, GA, May 2008.
16. Dezon Finch and Donald J. Berndt, "Understanding Trader Heterogeneity in Prediction Markets," *IADIS International Conference, Proceedings of e-Commerce 2007*, Algarve, Portugal, December 7-9, 2007. This paper was selected for the Outstanding Paper Award.
17. R. Leighty, A. Dickson, M. Mamcarz, D. Berndt, H. Potter, and G. Arendash, "Evaluating the Cognitive Effects of Caffeine in Alzheimer's Transgenic and Non-Transgenic Mice using Statistical

- and Data Mining Analyses,” Abstract, Society for Neuroscience (SfN), *Neuroscience 2007*, San Diego, California, November 3-7, 2007.
18. J. A. McCart, D. J. Berndt, and A. Watkins, A., “Using Genetic Algorithms for Software Testing: Performance Improvement Techniques,” *Proceedings of the Thirteenth Americas Conference on Information Systems (AMCIS 2007)*, Keystone, Colorado, August 9-12, 2007.
 19. D. J. Berndt, A. M. Yassin, J. L. Jones, and R. W. Collins, “Is that a Culture Cluster? Mining Trading Behaviors in Prediction Markets,” *Proceedings of the Global Information Technology Management Association (GITMA) World Conference*, Naples, Italy, June 17-19, 2007.
 20. A. M. Yassin, R. W. Collins, and D. J. Berndt, “Authority and Rewards in Global Information Markets,” *Proceedings of the Global Information Technology Management Association (GITMA) World Conference*, Naples, Italy, June 17-19, 2007.
 21. M. Chiarini-Tremblay, D. Berndt, R. Collins, and A. Hevner, “Uncertainty in the Information Supply Chain: Integrating Multiple Data Sources,” *Fourth Annual CABIT Symposium*, Phoenix, Arizona, 2006.
 22. J. L. Griffiths and D. J. Berndt, “Identifying at Risk Populations – A Case Study of the 2004 Hurricane Season,” *Proceedings of the Twelfth Americas Conference on Information Systems (AMICS 2006)*, Acapulco, Mexico, August 4-6, 2006.
 23. A. M. Yassin, D. J. Berndt, and M. Chiarini-Tremblay, “Investigative Data Warehousing and Mining for Database Security,” *Proceedings of the Twelfth Americas Conference on Information Systems (AMICS 2006)*, Acapulco, Mexico, August 4-6, 2006.
 24. A. M. Yassin, R. W. Collins, and D. J. Berndt, “The Impact of Culture on Global Information Markets for Software Cost Estimation,” *Proceedings of the Global Information Technology Management Association (GITMA) World Conference*, Orlando, Florida, June 11-13, 2006.
 25. D. Berndt, R. Collins, J. Jones, D. Finch, and A. Yassin, “Workshop on Information and Prediction Markets,” *Proceedings of the Global Information Technology Management Association (GITMA) World Conference*, Orlando, Florida, June 11-13, 2006. This was a 1.5 hour workshop, including an overview of information markets and current results from the USF milestone market.
 26. J. L. Griffiths, D. J. Berndt, and A. R. Hevner, “Naturally Occurring Incidents as Facsimiles for Bioterrorism Attacks,” *Proceedings of the IEEE Intelligence and Security Informatics Conference (ISI 2006)*, Lecture Notes in Computer Science, LNCS 3975, Springer-Verlag, San Diego, California, May 23-24, 2006.
 27. Donald J. Berndt, Joni L. Jones, and Dezon Finch, “Milestone Market: Software Cost Estimation through Market Trading,” *Proceedings of the 39th Hawaii International Conference on System Sciences (HICSS 39)*, January 4-7, 2006.
 28. Monica Chiarini Tremblay, Donald J. Berndt, and James Studnicki, “Feature Selection for Predicting Surgical Outcomes,” *Proceedings of the 39th Hawaii International Conference on System Sciences (HICSS 39)*, January 4-7, 2006.
 29. M. Chiarini-Tremblay, D. Berndt, P. Foulis, and S. Luther, “Utilizing Text Mining Techniques to Identify Fall Related Injuries,” *Proceedings of the Eleventh Americas Conference on Information Systems (AMCIS 2005)*, Omaha, Nebraska, August 11-14, 2005. This paper received a best paper nomination in the Data and Text Mining for Decision Support track.
 30. P. Foulis, M. Tremblay, S. Luther, D. Berndt, D. French, and G. Powell-Cope, “Using Knowledge Discovery Strategies to Identify Fall Related Injuries,” *Veterans Administration Health Services*

Research and Development National Meeting, Baltimore, Maryland, February 16-18, 2005.
Abstract and presentation: www.hsrdr.research.va.gov/about/national_meeting/2005/.

31. S. L. Luther, M. Tremblay, D. J. Berndt, P. Foulis, D. D. French, L. Z. Rubenstein, "Using Knowledge Discovery in Databases to Identify Fall-Related Injuries," *Academy Health Annual Research Meeting* (www.academyhealth.org), Boston, Massachusetts, June 26-28, 2005. Abstract and presentation.
32. D. Berndt and A. Watkins, "High Volume Software Testing using Genetic Algorithms," *Proceedings of the 38th Hawaii International Conference on System Sciences* (HICSS 38), January 3-6, 2005.
33. D. Berndt, J. Fisher, and J. Studnicki, "Healthcare Data Warehouse Analytics in the Courtroom," *Proceedings of the Global Business and Finance Research Conference*, pages 279-284, London, England, July 14-17, 2004.
34. D. Berndt, S. Bhat, J. Fisher, A. Hevner, and J. Studnicki, "Data Analytics for Bioterrorism Surveillance," *Proceedings of the Second Symposium on Intelligence and Security Informatics* (ISI 2004), Lecture Notes in Computer Science, LNCS 3073, pages 17-27, Springer-Verlag, Tucson, Arizona, June 10-11, 2004.
35. D. Berndt and A. Watkins, "Investigating the Performance of Genetic Algorithm-Based Software Test Case Generation," *Proceedings of the Eighth IEEE Symposium on High Assurance Systems Engineering* (HASE 2004), Tampa, Florida, March 25-26, 2004.
36. A. Watkins, D. Berndt, K. Aebischer, J. Fisher, and L. Johnson, "Breeding Software Test Cases for Complex Systems," *Proceedings of the 37th Hawaii International Conference on System Sciences* (HICSS 37), January 5-8, 2004.
37. D. Berndt, A. Watkins, L. Johnson, K. Aebischer, and J. Fisher, "Using Genetic Algorithms and Decision Tree Induction to Classify Software Faults," *Proceedings of the Eighth INFORMS Conference on Information Systems and Technology* (CIST 2003), Atlanta, Georgia, October 18-19, 2003.
38. D. Berndt, A. Hevner, and J. Studnicki, "Bioterrorism Surveillance with Real-Time Data Warehousing," *Proceedings of the First NSF/NIJ Symposium on Intelligence and Security Informatics* (ISI 2003), Lecture Notes in Computer Science, LNCS 2665, pages 322-335, Springer-Verlag, Tucson, Arizona, June 2-3, 2003.
39. S. L. Luther, J. Studnicki, and D. Berndt, "The Association Between Physician Volume for CABG, Practice Pattern, Specialty Training, and Select Outcomes," *Academy Health 20th Annual Research Meeting* (www.academyhealth.org), Nashville, Tennessee, June 27-29, 2003. Abstract and presentation.
40. D. Berndt, J. Fisher, L. Johnson, J. Pinglikar, and A. Watkins, "Breeding Software Test Cases with Genetic Algorithms," *Proceedings of the 36th Hawaii International Conference on System Sciences* (HICSS 36), January 6-9, 2003.
Paper: [hicss2003ga.pdf](#)
41. Donald J. Berndt, John W. Fisher, and Rama V. Rajendrababu, "Measuring Healthcare Inequities using the Gini Index," *Proceedings of the 36th Hawaii International Conference on System Sciences* (HICSS 36), January 6-9, 2003.
Paper: [hicss2003gini.pdf](#)
42. Donald J. Berndt and Stanley J. Birkin, "High Performance E-Commerce," *Programme of the Sixteenth Triennial Conference of the International Federation of Operational Research Societies* (IFORS 2002), Edinburgh, Scotland, July 8-12, 2002.
Talk: [ifors2002hpec_talk.pdf](#)

43. John W. Fisher and Donald J. Berndt, "Creating False Memories: Temporal Reconstruction Errors in Data Warehouses," *Workshop on Information Technologies and Systems (WITS 2001)*, New Orleans, Louisiana, December 15-16, 2001.
44. Donald J. Berndt and John W. Fisher, "Understanding Dimension Volatility in Data Warehouses (or Bin There Done That)," *Proceedings of the Sixth INFORMS Conference on Information Systems and Technology (CIST 2001)*, Miami, Florida, November 3-4, 2001.
Paper: [cist2001volatility.pdf](#) Talk: [cist2001volatility_talk.pdf](#)
45. Donald J. Berndt, "Consumer Decision Support Systems: A Health Care Case Study," *Proceedings of the 34th Hawaii International Conference on System Sciences (HICSS 34)*, January 2001.
46. Alan R. Hevner, Donald J. Berndt, and James Studnicki, "Community Health Assessments: A Data Warehousing Approach," *Proceedings of the Eighth European Conference on Information Systems (ECIS 2000)*, Vienna, Austria, July 2000.
Paper: [ecis2000catch.pdf](#) Talk: [ecis2000catch_talk.pdf](#)
47. Donald J. Berndt and Ronald K. Satterfield, "Customer and Household Matching: Resolving Entity Identity in Data Warehouses," *Proceedings of the 14th Annual International Symposium on Aerospace/Defense Sensing, Simulation, and Controls (AeroSense 2000): Conference on Data Mining and Knowledge Discovery*, Orlando, Florida, April 24-28, 2000.
48. Donald J. Berndt, Alan R. Hevner, and James Studnicki, "Hospital Discharge Transactions: A Data Warehouse Component," *Proceedings of the 33rd Hawaii International Conference on System Sciences (HICSS 33)*, January 2000.
Paper: [hicss2000hdt.pdf](#)
49. Alan R. Hevner, Donald J. Berndt, and James Studnicki, "Strategic Information Systems Planning with Box Structures," *Proceedings of the 33rd Hawaii International Conference on System Sciences (HICSS 33)*, January 2000.
50. Donald J. Berndt, "Dimension Hierarchy Diagrams," *Proceedings of the Americas Conference on Information Systems (AMCIS 1999)*, Milwaukee, Wisconsin, August 13-15, 1999. Recognized as one of the Best Paper Selections.
51. Donald J. Berndt, PhD, Eve Jehle, MD, and Stephen B. Moore, "VSDB: A Large-Scale Vascular Screening Database" *Proceedings of the Hawaii International Conference on System Sciences (HICSS 32)*, January 5-8, 1999.
52. Donald J. Berndt, Alan R. Hevner, and James Studnicki, "CATCH/IT: A Data Warehouse to Support Comprehensive Assessment for Tracking Community Health," *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium*, Orlando, Florida, November 1998.
53. Donald J. Berndt and Ronald K. Satterfield, "Integrating Logistic Regression with Knowledge Discovery Systems," *Proceedings of the Americas Conference on Information Systems (AMCIS 1997)*, pages 491-493, Indianapolis, Indiana, August 15-17, 1997.
54. Donald J. Berndt and Henry C. Lucas, Jr., "The Technology Triad: Enabling Organization Design," *Proceedings of the Second INFORMS Conference on Information Systems and Technology (CIST 1997)*, pages 67-75, San Diego, California, May 4-5, 1997.
55. Donald J. Berndt and Alan R. Hevner, "The COR Model for Analyzing Information Systems Change," *Proceedings of the Hawaii International Conference on Systems Sciences*, pages 198-207, Maui, Hawaii, January 7-10, 1997.
56. Donald J. Berndt, "On Evaluating Knowledge Discovery Tools," *Proceedings of the Americas Conference on Information Systems*, Phoenix, Arizona, August 16-18, 1996.

57. Donald J. Berndt and Alan R. Hevner, "Software Architecture and Organizational Structure," *Proceedings of the First INFORMS Conference on Information Systems and Technology*, Washington D. C., May 1996.
58. Donald J. Berndt, "AX: Searching for Database Regularities Using Concept Networks," *Workshop on Information Technologies and Systems (WITS 1995)*, Nijenrode University, The Netherlands, December 9-10, 1995.
59. Donald J. Berndt and James Clifford, "Using Dynamic Time Warping to Find Patterns in Time Series," *AAAI-94 Workshop on Knowledge Discovery in Databases (KDD-94)*, Seattle, Washington, July 31-August 1, 1994.
60. Herbert L. Gelernter, Gerald A. Miller, and Donald J. Berndt, "Execution of SYNCHEM2 as a Distributed System in a Network of Minicomputers," *The 1984 International Chemical Congress of Pacific Basin Societies*, December 1984.
61. Herbert L. Gelernter, Gerald A. Miller, David L. Larsen, and Donald J. Berndt, "Realization of a Large Expert Problem-Solving System—SYNCHEM2: A Case Study," *Proceedings of the First Conference on Artificial Intelligence Applications*, IEEE Computer Society, December 1984.

Technical Reports and Working Papers

1. Donald J. Berndt, "Designing a Knowledge Discovery Tool: The AX System," Doctoral Dissertation, Information Systems Department, Stern School of Business, New York University, July 1997.
2. Donald J. Berndt, "Techniques for the Comparative Analysis of Data Flow Diagrams," Working Paper, Department of Information Systems, Stern School of Business, New York University, February 1993.
3. Mauricio Arango and Donald J. Berndt, "TSnet: A Linda Implementation for Networks of Unix-Based Computers, Research Report 739, Department of Computer Science, Yale University, August 1989.
4. Herbert L. Gelernter, Gerald A. Miller, and Donald J. Berndt, "User's Guide to Micro-SYNCHEM," SUNY Research Foundation and the Department of Computer Science, State University of New York at Stony Brook, 1989.
5. Donald J. Berndt, Gerald A. Miller, and Herbert L. Gelernter, "A Template Driven Posttransform Test Editor for SYNCHEM2, Technical Report 83/051, Department of Computer Science, State University of New York at Stony Brook, September 1983.
6. Donald J. Berndt, "A Transition Network Based User Interface," Master's Thesis, Department of Computer Science, State University of New York at Stony Brook, May 1982.

Work in Progress

- John Fisher and Donald J. Berndt, "Temporal Reconstruction Errors," under preparation for journal submission.
- D. Berndt, J. Fisher, L. Johnson, J. Pinglikar, and A. Watkins, "Breeding Software Test Cases with Genetic Algorithms," under preparation for journal submission.
- Donald J. Berndt, John W. Fisher, and Rama V. Rajendrababu, "Measuring Healthcare Inequities using the Gini Index," under preparation for journal submission.

Presentations and Invited Talks

- D. Berndt, “Project Management Estimation Markets,” Network Centric Operations Industry Consortium (NCOIC) Plenary Meeting, San Diego, California, November 27-December 1, 2006.
- D. Berndt, “Healthcare Data Warehousing,” University of North Carolina - Charlotte, Charlotte, North Carolina, April 6, 2006.
- D. Berndt, “Healthcare Data Warehousing,” Saint Louis University, Saint Louis, Missouri, April 15, 2005. Two different talks were delivered to the Cook School of Business and the School of Public Health.
- D. Berndt, J. Fisher, and J. Studnicki, “Bringing the Power of Healthcare Data Warehousing to Your Desktop,” Central Valley Health Policy Institute, Fresno, California, September 20, 2004. This was a web-based presentation and demonstration of data warehousing technologies. A similar presentation was also given to the Miami-Dade County Health Department, December 14, 2004.
- Fay Cobb Payton (North Carolina State University), Solomon Negash (University of California, Riverside), Sal March (Vanderbilt University), Don Berndt (University of South Florida), “Business Intelligence: What is New?” Panel Discussion, The 35th Annual Meeting of the Decision Sciences Institute, Boston, Massachusetts, November 20-23, 2004.
- Donald J. Berndt, Alan R. Hevner, and James Studnicki, “Using Data Warehousing for Biochemical Threat Detection,” Globalization and Security Symposium, University of South Florida, September 11, 2002. This symposium was sponsored in part by the USF Globalization Research Center.
- Donald J. Berndt and James Studnicki, “Community and Clinical Applications of Data Warehousing,” Presentation for the Health Policy Center Directors Forum, Association of Academic Health Centers, February 13, 2001.
- Donald J. Berndt and James Studnicki, “Data Warehousing Technologies for Health Status Assessment,” Workshop (half-day), SaludAmericas 2000: Latin America’s Health Sector in a New Economy, Miami, Florida, October 2-4, 2000. The conference was sponsored by the Institute for the Americas, San Diego, California.
- Alan R. Hevner and Donald J. Berndt, “Applying Data Warehousing to Community Health Assessment,” Keynote Address, *Workshop on Information Technologies and Systems* (WITS-99), Charlotte, North Carolina, December 11, 1999. The presentation was based on joint work with J. Studnicki and I participated in the question session and demonstration.
- Donald J. Berndt, Alan R. Hevner, and James Studnicki, “A Data Warehouse to Support Comprehensive Assessment for Tracking Community Health,” Seminar, Center for Disease Control (CDC), Atlanta, Georgia, June 14, 1999. The presentation was part of the CDC’s Innovations in Public Health Practices seminar series.
- Donald J. Berndt, “SYNCHEM: A Synthetic Chemistry Expert System,” Workshop Presentation, Biodegradation Prediction Workshop, University of Minnesota, June 20, 1998.
- Donald J. Berndt, “The Internet for Accountants,” Tampa, Florida, September 1996. Presented a session as part of a professional training seminar.
- Donald J. Berndt, “Parallelism to the People,” Invited Talk, Investment Technology Association, New York, New York, February 1989. This talk was based on the Linda Parallel Programming Environment research directed by David Gelernter, Yale University.
- Donald J. Berndt, “The Linda Parallel Programming Environment,” Invited Talk, Bellcore, Morristown, New Jersey, January 1989. This talk was based on the Linda Parallel Programming Environment research directed by David Gelernter, Yale University.

- Herbert L. Gelernter, Gerald A. Miller, and Donald J. Berndt, “Computer-aided Organic Synthesis Design and Molecular Graphics,” Workshop Presentation, University of Leeds, England, September 1983. Sponsored by the Royal Society of Chemistry.

Professional Development and Training

- *Mining Textual Data using SAS Text Miner*, SAS Training Center, July 24-25, 2008.
- *Advanced Predictive Modeling using SAS Enterprise Miner*, SAS Training Center, July 22-23, 2008.
- *SAS Programming Essentials for Educators I*, SAS Training Center, July 21, 2008.
- *Oracle Solutions Day: Maximum Availability Architecture*, Tampa, Florida, March 8, 2007.
- *How to Obtain Peer-Reviewed Federal Funding for Research: A Grant Proposal Writing Workshop Series*, Division of Sponsored Research, University of South Florida, July-August, 2006
- *Advanced Predictive Modeling using SAS Enterprise Miner (5.1)*, SAS Training Center, June 23-24, 2005.
- *Decision Tree Modeling using SAS Enterprise Miner (5.1)*, SAS Training Center, June 21-22, 2005.
- *SAS Enterprise Miner: Transitioning from 4.x to 5.x*, SAS Training Center, June 20, 2005.
- *Workshop on DB2 UDB, Workshop on MQSeries, Workshop on XML*, IBM Centre for Advanced Studies (3 days), November 2000.
- *Oracle Developer: Build Reports*, Oracle Education (4 days), Tampa, Florida, October 1999.
- *Oracle 8: Backup and Recovery Workshop*, Oracle Education (3 days), Tampa, Florida, April 1999.
- *Oracle 8: Network Administration*, Oracle Education (2 days), Orlando, Florida, March 1999.
- *Oracle 8: Performance Tuning Workshop*, Oracle Education (5 days), Tampa, Florida, January 1999.
- *Teaching Portfolio Workshop*, University of South Florida, September 10, 1998.
- *Oracle 8: Database Administration*, Oracle Education (5 days), Tampa, Florida, December 1998.
- *Oracle 8: Data Warehousing Fundamentals*, Oracle Education (3 days), Atlanta, Georgia, November 1998.
- *Medical Informatics Short Course*, School of Medicine, Stanford University (5 days), June 1998.
- *COMNET III: Networking Simulation*, CACI Training, Washington D.C., February 1998.
- *Oracle 7: Database Administration*, Oracle Education (5 days), Orlando, Florida, December 1996.

Grants and Contracts

1. Co-Investigator, “Consortium for Healthcare Informatics Research,” HIR 08-374, Veterans Administration, Health Services Research and Development, \$704,000, April 2009 – March 2013. (PI on the USF component of the grant.)
2. Co-Investigator, “Using Knowledge Discovery Strategies to Identify Fall-related Injuries in the VA,” IIR 05-120-3, Veterans Administration, Health Services Research and Development, \$386,000, July 2007 – June 2010. (PI on the USF component of the grant.)
3. Co-Investigator, “Using Text Mining to Differentiate Between PTSD and Mild TBI in OEF/OIF Veterans,” SHP 08-153, Veterans Administration, Health Services Research and Development, \$122,400, April 2008 – March 2009. (PI on the USF component of the grant.)
4. Principal Investigator on the Project Management Institute grant (with J. Jones, Co-PI), \$30,000, Milestone Markets: Software Cost Estimation through Market Trading,” 2007.
5. Co-Principal Investigator (with B. Carnahan, PI) on the Department of Defense, Space and Naval Warfare Systems Command (SPAWAR) grant, \$2.1M (Year 6), *National Center for Applied*

Computational Intelligence (NCACI) at the University of South Florida, 2006. This grant began in June 2001 with A. Kandel (PI) and A. Hevner (Co-PI) with similar funding levels from 2001-2005.

- Principal Investigator on NCACI sub-contracts, \$92,500, “Software Cost Estimation Using Market Trading,” 2006-2007.
 - Principal Investigator on NCACI sub-contracts, “Using Genetic Algorithms for Software Testing,” 2001-2005.
6. Principal Investigator on the VA Patient Safety Center, James A. Haley VA Hospital grant, \$6,200, “A Pilot Study to Use Knowledge Discovery Strategies to Identify Fall Related Injuries,” 6/1/2005.
 7. Co-Principal Investigator on the Environmental Protection Agency (EPA) grant (J. Studnicki, PI), \$199,000, “Assessing the Impact of Environmental Factors on the Health Status of Escambia and Santa Rosa Counties,” 9/1/2002-8/30/2003 (with possible year 2 and 3 funding to follow).
 8. Principal Investigator on the Sarasota School Board grant (with R. Collins, Co-PI), \$49,500, “Prototype Achievement Analysis Data Warehouse,” 8/1/2001-8/1/2002.
 9. Investigator on the Escambia and Santa Rosa Health Departments grant (J. Studnicki, PI), \$54,168, “Escambia and Santa Rosa County Comprehensive Assessment for Tracking Community Health,” 6/9/2000-3/30/2001.
 10. Principal Investigator on a University of South Florida, Faculty International Travel Grant, \$1,500, to present the paper “Community Health Assessments: A Data Warehousing Approach,” at the *Eighth European Conference on Information Systems* (ECIS-2000), Vienna, Austria, July 2000.
 11. Investigator on the Miami-Dade County Health Department grant (J. Studnicki, PI), \$59,973, “Miami-Dade County Comprehensive Assessment for Tracking Community Health,” 1/3/2000-6/30/2000.
 12. Co-Principal Investigator on the [US Department of Commerce, National Telecommunications & Infrastructure Administration](#) (Telecommunications and Information Infrastructure Assistance Program - TIIAP) grant with A. Hevner and J. Studnicki, \$1,000,900 (\$474,994 plus matching contributions from the State of Florida), “Comprehensive Assessment for Tracking Community Health (CATCH): Information Technology Initiative,” 10/1/1998-9/30/2000.
 13. Co-Principal Investigator on The Data Warehousing Institute annual competitive grant with R. Collins, \$6,000 (including matching funds from Florida’s I-4 Corridor Initiative), “The Evolutionary Nature of Data Warehouse Development,” 1998.
 14. Principal Investigator on the University of South Florida, Research and Creative Scholarship Grant, \$7,500, “A Next Generation Knowledge Discovery Architecture,” 1998.
 15. Principal Investigator the Life Line Screening, Inc. grant, \$8,000 (including matching funds from Florida’s I-4 Corridor Initiative), “Investigating a Vascular Screening Database,” 1998.
 16. Co-Principal Investigator on the Citicorp grant for database curriculum development (with Paul Cheney), \$15,000 per year, total \$45,000, 1996.
 17. Principal Investigator for the Oracle Academic Alliance grant, software and support valued at over \$3 million, 1996. This effort resulted in the long-term participation and use of Oracle technology in many aspects of the information systems curriculum.
 18. Student Investigator/Consultant on [National Science Foundation](#) grant, “Knowledge Discovery in Temporal Databases,” 1994-1997.

Professional and Community Service

Professional Service

- Advisory Board Member, Rivergy, Inc., 2005-2006. (www.rivergy.com, www.WebPiston.com)
- Appointed to the Florida Agency for Healthcare Administration (AHCA) Interventional Cardiology Technical Advisory Panel, 2004-2006.

Thesis Committees

- Jay Jarman, *Combining Natural Language Processing and Statistical Text Mining: A Study of Specialized versus Common Language*, Ph.D. Dissertation (Advisor), September 30, 2011.
- James McCart, *Goal Attainment on Long Tail Websites: An Information Foraging Approach*, Ph.D. Dissertation (Co-Advisor with B. Padmanabhan), Information Systems and Decision Sciences, College of Business Administration, University of South Florida, October 13, 2009.
- Gary Poe, *Privacy in Database Designs: A Role Based Approach*, Ph.D. Dissertation (Co-Advisor with R. Collins), Information Systems and Decision Sciences, College of Business Administration, University of South Florida, November 30, 2007.
- Monica Chiarini Tremblay, *Uncertainty in the Information Supply Chain: Integrating Multiple Health Care Data Sources*, Ph.D. Dissertation (Co-Advisor with A. Hevner), Information Systems and Decision Sciences, College of Business Administration, University of South Florida, July 13, 2007. (Selected for the ICIS 2006 Doctoral Consortium.)
- Rana Farid Mikhail, *Unit Testing Database Applications Using SpecDB: A Database of Software Specifications*, Ph.D. Dissertation (Co-Advisor with A. Kandel), Department of Computer Science and Engineering, College of Engineering, University of South Florida, April 26, 2006.
- John W. Fisher, *Creating False Memories: Temporal Reconstruction Errors in Data Warehouses*, Ph.D. Dissertation (Co-Advisor with A. Hevner), Information Systems and Decision Sciences, College of Business Administration, University of South Florida, January 25, 2002. (Departmental Candidate for the ICIS Doctoral Consortium.)
- Mrudula Madireddy, Master of Science, Department of Civil Engineering, College of Engineering, University of South Florida, 1999.
- Per Invalds, Master of Science, Department of Industrial Engineering, College of Engineering, University of South Florida, 1998.
- Paul Stockinger, Undergraduate Honors Thesis (Advisor), Information Systems and Decision Sciences, College of Business Administration, University of South Florida, 1996.

Research Journal Referee

- *Decision Support Systems*
- *INFORMS Journal on Computing (JOC)*
- *Information Systems Research (ISR)*
- *Knowledge and Information Systems (KAIS): An International Journal*
- *Management Information Systems Quarterly (MISQ)*

Conference Organizational Activities

Hawaii International Conference on Systems Sciences (HICSS)

- Mini-Track Co-Chair, “Data and Knowledge Management in Health Care,” 2000 – 2007
- IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)*
- Program Committee Member, 2005

Tampa Bay CyberSecurity Summit (Co-Hosts: FBI, Raymond James, USF)

- Organizing Committee Member, 2005 – 2006

USF Business Intelligence (BI) Summit

- Co-Chair, 2008

Workshop on Information Technologies and Systems

- Program Committee Member, 1998 – 2002

Conference Referee

- *Americas Conference on Information Systems*
- *Conference on Information and Knowledge Management*
- *Hawaii International Conference on Systems Sciences*
- *INFORMS Conference on Information Systems and Technology*
- *International Conference on Information Systems*
- *National Conference on Artificial Intelligence*
- *Workshop on Information Technologies and Systems*
- *Workshop on Knowledge Discovery in Databases*

Honors and Awards

- ISDS nominee for USF College of Business 2001 Researcher of the Year
- Beta Gamma Sigma (National Honor Society of Business Schools)
- DSI Doctoral Consortium, 1993
- Stern School of Business, New York University Fellowship
- Graduate Research Assistant, SUNY at Stony Brook, 1981-1982
- New York State Regents Scholarship (Ward Melville High School)

Professional Societies

- The Association for Computing Machinery (ACM) (www.acm.org)
- Association for Information Systems (AIS) (www.aisnet.org)
- American Medical Informatics Association (www.amia.org)
- IEEE Computer Society (www.computer.org)

Community Service

- Tampa Rowing Club, Tampa, Florida, 2006-2007
- Presidents Club, University of South Florida, 2006
- Boy Scouts of America, Troop 142 / 148 (Assistant Scoutmaster), Tampa, Florida 2002-present
- Corpus Christi Catholic Church Parish, Temple Terrace, Florida, 2003-present
- St. Marks Catholic Church Parish, Tampa, Florida, 1995-2003
- Hunters Green Country Club, Tampa, Florida 1995-present
- T-Ball Coach, Tampa, Florida, 1997