CONTACT INFORMATION

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EDUCATION

1987 - 1992	Doctor of Philosophy in Computer Science University of Colorado, Boulder Dissertation Title: *From Programming Tasks to Solutions—Bridging the Gap Through the Explanation of Examples*
1980 - 1982	Master of Science in Computer Science The American University, Washington, D.C.
1976 - 1980	Bachelor of Science in Mathematics and Computer Science The American University, Washington, D.C.

EMPLOYMENT

1994 - present   University of California, Irvine, Donald Bren School of Information and Computer
Sciences (formerly Department of Information and Computer Science)
Position (2010 - present):   Professor
Position (2004 - 2011):   Chair, Department of Informatics
Position (2001 - 2010):   Associate Professor (with tenure)
Position (1994 - 2001):   Assistant Professor

1987 - 1994   University of Colorado, Boulder, Department of Computer Science
Position (1992 - 1994):   Postdoctoral Fellow
Position (1987 - 1992):   Graduate Research Assistant

Summer 1989   Gesellschaft für Mathematik und Datenverarbeitung mbH
Position: Guest Scientist

1979 - 1987   National Institute of Standards and Technology
(formerly National Bureau of Standards),
Center for Computing and Applied Mathematics
Position (1981 - 1987):   Computer Scientist
Position (1980 - 1981):   Mathematician
Position (1979 - 1980):   Mathematics Aide

PROFESSIONAL AFFILIATIONS

1982 - present	Association for Computing Machinery (ACM)
1982 - present	American Association for Artificial Intelligence (AAAI)
1992 - present	Institute of Electrical and Electronics Engineers (IEEE) Computer Society
1994 - 1996	Association for the Advancement of Computing in Education (AACE)

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J.11   Redmiles, D., van der Hoek, A., Al-Ani, B., Quirk, S., Sarma, A., Silva Filho, R., de Souza, C., Trainer, E. *Continuous Coordination: A New Paradigm to Support Globally Distributed Software Development Projects,* Wirtschaftsinformatik, V. 49, 2007, pp. S28-S38.

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J.9   Redmiles, D. *Introduction to the Special Issue of CSCW on Activity Theory and the Practice of Design,* Computer-supported Cooperative Work, Special Issue on Activity Theory and the Practice of Design, Vol. 11, No. 1-2, 2002, pp. 1-11.

J.8   Collins, P., Shukla, S., Redmiles, D. *Activity Theory and System Design: A View from the Trenches,* Computer-supported Cooperative Work, Special Issue on Activity Theory and the Practice of Design, Vol. 11, No. 1-2, 2002, pp. 55-80.

J.7   Medvidovic, N., Rosenblum, D., Redmiles, D., Robbins, J. *Modeling Software Architectures in the Unified Modeling Language,* ACM Transactions on Software Engineering and Methodology, Vol. 11, No. 1, January 2002, pp. 2-57.

J.6   Hilbert, D., Redmiles, D. *Extracting Usability Information from User Interface Events,* ACM Computing Surveys, Vol. 32, No. 4, December 2000, pp. 384-421.

J.5   Robbins, J., Redmiles, D. *Cognitive Support, UML Adherence, and XMI Interchange in Argo/UML,* Information and Software Technology, Vol. 42, No.2, January 2000, pp.79-89.

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J.1   Fischer, G., Girgensohn, A., Nakakoji, K., Redmiles, D. *Supporting Software Designers with Integrated, Domain-Oriented Design Environments,* IEEE Transactions on Software Engineering, Special Issue on Knowledge Representation and Reasoning in Software Engineering, Vol. 18, No. 6, 1992, pp. 511-522.

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C.107   Al-Ani, B., Marczak, S., Prikladnicki, R., Redmiles, D. *Revisiting the Factors that Engender Trust of Global Systems Engineers,* The 8th IEEE International Conference on Global Software Engineering (ICGSE 2013, Bari, Italy), August 2013, pp. 31-40.

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C.104   Al-Ani, B., Bietz, M., Wang, Y., Trainer, E., Koehne, B., Marczak, S., Redmiles, D., Prikladnicki, R. *Globally Distributed System Developers: Their Trust Expectations and Processes,* The 16th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2013, San Antonio, Texas), February 2013, pp. 563-573.

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C.92   Koehne, B., Redmiles, D., Fischer, G. *Extending the Meta-Design Theory: Engaging Participants as Active Contributors in Virtual Worlds,* The Third International Symposium on End-User Development (IS-EUD 2011, Torre Canne, Italy), June 2011, pp. 264-269.

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C.81   Trainer, E., Quirk, S., de Souza, C.R.B., and Redmiles, D.F. *Analyzing a Socio-Technical Visualization Tool Using Usability Inspection Methods,* The IEEE Symposium on Visual Languages and Human Centric Computing (VL/HCC, Herrsching am Ammersee, Germany), September 2008, pp. 78-81.

C.80   Ruegmee, W., Silva Filho, R. S.,Bajracharya, S. K., Lopes, C. V., Redmiles, D. F. *XE (eXtreme Editor) – Bridging the Aspect-Oriented Programming Usability Gap,* The 23rd IEEE/ACM International Conference on Automated Software Engineering (ASE 2008, L'Aquila, Italy), September, 2008, pp. 435-438.

C.79   Wilensky, H., Su, N., Redmiles, D., Mark, G. *A community of Knowledge Management Practitioners: Mirroring Power across Social Worlds,* The 20th IFIP World Computer Congress, WG12.6 Conference on Knowledge Management in Action (KMIA 2008, Milano Italy), September 2008, pp. 195-207.

C.78   de Souza, C.R.B., Redmiles, D.F. *An Empirical Study of Software Developers Management of Dependencies and Changes,* The 30th International Conference on Software Engineering (ICSE 2008, Leipzig, Germany), May 2008, pp. 241-250.

C.77   Al-Ani, B., Trainer, E., Ripley, R., Sarma, A., van der Hoek, A., Redmiles, D.F. *Continuous Coordination within the Context of Cooperative and Human Aspects of Software Engineering,* The 2008 International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE), held in conjunction with the 30th International Conference on Software Engineering (ICSE 2008, Leipzig, Germany), May 2008, pp. 1-4.

C.76   Al-Ani, B., Redmiles, D. *Forces that Influence Trust in Technology in the Middle East: Culture, Politics and History,* Workshop on HCI for Community and International Development, held in conjunction with the 2008 Conference on Human Factors in Computing Systems (CHI 2008, Florence, Italy), April 2008.

C.75   Fischer, G., Redmiles, D. *Transdisciplinary Education and Collaboration,* Meeting of the Human Computer Interaction Consortium (HCIC 2008, Frasier, CO), February 2008, also available to member organizations at http://www.hcic.org/.

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C.74   de Souza, Quirk, S., Trainer, E., Redmiles, D.F. *Supporting Collaborative Software Development through the Visualization of Socio-Technical Dependencies,* The 2007 International ACM SIGGROUP Conference on Supporting Group Work (GROUP 2007, Sanibel Island, FL), November 2007, pp 147-156.

C.73   Su, N.M., Wilensky, H., Redmiles, D., Mark, G. *The Gospel of Knowledge Management in and out of a Professional Community,* The 2007 International ACM SIGGROUP Conference on Supporting Group Work (GROUP 2007, Sanibel Island, FL), November 2007, pp. 197-206.

C.72   de Souza, C.R.B., Redmiles, D.F. *The Awareness Network: Should I display my actions to whom? And, whose actions should I monitor?,* The 10th European Conference on Computer Supported Co-operative Work (ECSCW 2007, Limerick, Ireland), September 2007, pp. 99-117.

C.71   Sarma, A., Redmiles, D., van der Hoek, A., *A Comprehensive Evaluation of Workspace Awareness in Software Configuration Management Systems,* IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2007, Coeur d'Alène, Idaho), September 2007, pp. 23-26.

C.70   Silva Filho, R.S., Redmiles, D.F. *Managing Feature Interaction by Documenting and Enforcing Dependencies in Software Product Lines,* The 9th International Conference on Feature Interactions in Software and Communication Systems (ICFI 2007, Grenoble, France), September 2007, pp.33-48.

C.69   de Souza, C. R. B., Hildenbrand, T., Redmiles, D. *Toward Visualization and Analysis of Traceability Relationships in Distributed and Offshore Software Development Projects,* First International Conference on Software Engineering Approaches For Offshore and Outsourced Development (SEAFOOD 2006, Zürich, Switzerland), February 2007, pp 182-199.

C.68   Redmiles, D., Cheng, L-T. Damian, D., Herbsleb, J., Kellogg, W., *Panel: Collaborative Software Engineering – New and Emerging Trends,* Supplemental Proceedings of the Conference on Computer-Supported Cooperative Work (CSCW 2006— Banff, Canada), November 4-8, 2006, pp. 237-239.

C.67   Al-Ani, B., Sarma, A., Bortis, G., Almeida, I., Trainer, E., van der Hoek, A., Redmiles, D., *Continuous Coordination (CC): A New Collaboration Paradigm,* Workshop on Supporting the Social Side of Large Scale Software Development, in conjunction with the Conference on Computer-Supported Cooperative Work (CSCW 2006— Banff, Canada), November 2006, pp. 69-72.

C.66   Fonseca, S.B., de Souza, C.R.B., Redmiles, D.F., *Exploring the Relationship between Dependencies and Coordination to Support Global Software Development Projects,* IEEE International Conference on Global Software Engineering (ICGSE 2006, Costão do Santinho, Florianópolis, Brazil), October 2006, p. 243-244.

C.65   Silva Filho R. S., Geyer, W., Brownholtz, B., Redmiles, D. F. *Understanding the Trade-offs of Blending Collaboration Services in Support of Contextual Collaboration,* The 12th International Workshop on Groupware (CRIWG 2006— Medina del Campo, Spain), September 2006, Lecture Notes in Computer Science, Vol. 4154, pp. 270-285.

C.64   Silva Filho, R. S., Redmiles, D. F. *Towards the use of Dependencies to Manage Variability in Software Product Lines,* Workshop on Managing Variability for Software Product Lines: Working with Variability Mechanisms, held in conjunction with the 10th International Software Product Line Conference (SPLC 2006, Baltimore, MD), August 2006, pp. 10-15.

C.63   Rode J., Johansson, C., DiGioia, P, Silva Filho, R. S., Nies, K., Nguyen D. H., Ren J., Dourish, P., Redmiles D. F. *Seeing Further: Extending Visualization as a Basis for Usable Security,* Symposium On Usable Privacy and Security (SOUPS 2006, Pittsburgh, PA), July 12-14, 2006, pp. 145-155.

C.62   Silva Filho R. S., Redmiles, D. F. *Extending Desktop Applications with Pocket-size Devices,* Symposium On Usable Privacy and Security (SOUPS 2006, Pittsburgh, PA), July 12-14, 2006, published online at http://cups.cs.cmu.edu/soups/2006/program.html.

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C.60   Trainer, E., Quirk, S., de Souza, C.R.B., Redmiles, D.F. *Bridging the Gap between Technical and Social Dependencies with Ariadne,* The Eclipse Technology eXchange (eTX) Workshop, held in conjunction with the 20th Object-oriented Programming, Systems, Languages and Applications (OOPSLA) Conference (San Diego, CA), October 2005, pp. 26-30.

C.59   Silva Filho R. S., Redmiles D. *Striving for Versatility in Publish/Subscribe Infrastructures,* The Fifth International Workshop on Software Engineering and Middleware (SEM 2005), held in conjunction with the Fourth Joint Meeting of the European Software Engineering Conference and ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE 2005. Lisbon, Portugal), September 2005, pp. 17-24.

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C.57   Ren, J., Taylor, R.N., Dourish, P., Redmiles, D. *Towards An Architectural Treatment of Software Security: A Connector-Centric Approach,* The Workshop on Software Engineering for Secure Systems, held in conjunction with the 27th International Conference on Software Engineering, (ICSE 2005, St. Louis, Missouri) May 15-16, 2005, pp. 1-7.

C.56   de Souza, C. R. B., Redmiles, D., Cheng, L.-T., Millen, D., Patterson, J. *Sometimes You Need to See Through Walls—A Field Study of Application Programming Interfaces,* Conference on Computer-Supported Cooperative Work (CSCW 2004—Chicago, IL), November 2004, pp. 63-71.

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G.8   *ITR: An Integrated Social and Technical Approach to the Development of Distributed, Inter-organizational Applications* (PI's: R. Taylor, A. Kobsa, D. Redmiles, G. Mark, P. Dourish, A. van der Hoek, D. Richardson, W. Scacchi), ITR-0205724, funded by the National Science Foundation (NSF) ITR Program, with a budget of $1,800,000, October 2002 – September 2006.

G.7   *Collaborative Software Engineering Tools: Workshop and Follow-Up* (PI: D. Redmiles), funded by the National Aeronautics and Space Administration (NASA), with a budget of $92,334, May 2002 – October 2003.

G.6   *ITR/SW: Quality Software by Design* (PI's: D. Richardson, D. Redmiles), ITR-0083099, funded by the National Science Foundation (NSF) ITR Program, with a budget of $499,472, July 2000 – August 2004. (Out of over 1400 full proposals submitted, only 210 – less than 15% – were funded).

G.5   *Proteus: Assessment and Adaptation through Dynamic Architecture Technology* (PI's: R. Taylor, D. Rosenblum, D. Redmiles, A. van der Hoek, W. Tracz), funded by the Defense Advanced Research Projects Agency (DARPA), with a budget of $1,400,000, July 2000 – June 2003.

G.4   *Applying Design Critics to Software Requirements Engineering* (PI: D. Redmiles), funded by the Microelectronics Innovation and Computer Research Opportunities (MICRO), with a budget of $33,152 (includes $20,000 in matching funds from Rockwell), August 1997 – July 1999.

G.3   *Open Technology for Software Evolution: Hyperware, Architecture, and Process* (PI's: R. Taylor, D. Redmiles), funded by the Advanced Research Projects Agency (ARPA), with a budget of $2,606,666, October 1996 – September 1999.

RESEARCH FUNDING (CONCLUDED)

G.2   *Improving the Design of Interactive Software* (PI: D. Redmiles), funded by the National Science Foundation (NSF) CAREER Program, with a budget of $200,000, March 1996 – April 2000. (Out of 1,865 proposals submitted across all disciplines, only 346 – less than 18% – were funded).

G.1   *Human-Centered, Intelligent Agents Supporting Communication and Collaboration in Domain-Oriented Design Environments* (PI: G. Fisher, Co-PI: D. Redmiles), funded by the National Science Foundation (NSF), with a budget of $210,000, August 1994 – July 1997.

PRESENTATIONS

P.95   *Awareness, Trust, and Software Tool Support in Distance Collaborations,* invited talk at the Department of Informatics (Dipartimento di Informatica), University of Bari (Bari, Italy), September 2013.

P.94   *Awareness, Trust, and Software Tool Support in Distance Collaborations,* invited keynote at the 8th IEEE International Conference on Global Software Engineering (ICGSE 2013, Bari, Italy), August 2013.

P.93   *Two Research Projects in Collaboration: Trust in Global Software Engineering and Team Learning in Usability Inspections,* invited presentation at IBM Research (Yorktown Heights, New York), August 2013.

P.92   *Awareness and Trust Among Remote Collaborators,* presentation at the Institute for Software Research (ISR) Annual Research Forum (Irvine, CA), May 2013.

P.91   Brainstorming on Trust Among Remote Collaborators, presentation at the working meeting for the NSF Grant, *Large-Scale Human-Centered Coordination Systems to Support Interdependent Tasks in Context,* held at Carnegie-Mellon University (Pittsburgh, Pennsylvania), March 2013.

P.90   *Awareness, Trust, and Tool Support in Distance Collaborations*, invited keynote at the 2012 Brazilian Symposium on Collaborative Systems (SBSC 2012, São Paulo, Brazil), October 2012.

P.89   *How to write a technical CSCW paper,* invited tutorial presentation as part of the CSCW Workshop for Authors in Latin America, held in advance of the 2012 Brazilian Symposium on Collaborative Systems (SBSC 2012, São Paulo, Brazil), October 2012.

P.88   *Overview and Reflections on a Research Program in Trust and Distance Collaboration,* Presentation at the working meeting for the NSF Grant, *Large-Scale Human-Centered Coordination Systems to Support Interdependent Tasks in Context,* held at the University of Nebraska, Lincoln (Lincoln, Nebraska), September 2012.

P.87   *Attitude and Usage of Collaboration Tools in GSE: A Practitioner Oriented Theory* and *Envisioning Distributed Usability Evaluation through a Virtual World Platform,* Poster presentations at the 2012 International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE), held in conjunction with the 34th International Conference on Software Engineering (ICSE 2012, Zurich, Switzerland), June 2012.

P.86   *Discussion of "Increased Awareness,"* at the Workshop on The Future of Collaborative Software Development, held in conjunction with the ACM Conference on Computer-Supported Cooperative Work (CSCW 2012, Seattle, WA), February 2012.

P.85   *Graduate Fellowships in Informatics,* Department of Education GAANN Site Visit, University of California, Irvine (Irvine, CA), October 2008.

P.84   *Dependencies and Reflections in Collaborative Software Engineering,* Institute for Software Research (ISR), Annual Research Forum (Irvine, CA), June 2008.

P.83   *Transdisciplinary Education and Collaboration,* with G. Fischer, Meeting of the Human Computer Interaction Consortium (HCIC 2008, Frasier, CO), February 2008.

PRESENTATIONS (CONTINUED)

P.82　*Collaborative Software Engineering – New and Emerging Trends, Panel Moderator,* the Conference on Computer-Supported Cooperative Work (CSCW 2006— Banff, Canada), November 2006.

P.81　*Continuous Coordination (CC): A New Collaboration Paradigm,* Workshop on Supporting the Social Side of Large Scale Software Development, in conjunction with the Conference on Computer-Supported Cooperative Work (CSCW 2006— Banff, Canada), November 2006.

P.80　*Experiences Related to Knowledge Management Software,* Second IEEE International Conference on Space Mission Challenges for Information Technology (SMC-IT 2006), Mini-Workshop 6, Collaboration and Knowledge Management in a Global Space Environment (Pasadena, CA), July 2006.

P.79　*Unifying Formal and Informal Collaboration through Continuous Coordination,* Panel Presentation at the Meeting of the Human Computer Interaction Consortium (HCIC, Frasier, CO), February 2006.

P.78　*Unifying Formal and Informal Collaboration through Continuous Coordination,* Center for Life-Long Learning and Design, University of Colorado at Boulder (Boulder, CO), January 2006.

P.77　*Usable Security: Towards a Trustable Information Infrastructure,* Poster Presentation at the Cybertrust PI Meeting (Irvine, CA), September 2005.

P.76　*Two Experiences Designing for Effective Security,* the 2005 Symposium On Usable Privacy and Security (SOUPS 2005, Pittsburgh, PA), July 2005.

P.75　*Institute for Software Research: Overview,* with R. Taylor, Boeing Information Technology Air Force Systems (Long Beach, CA), July 2004.

P.74　*Collaborative Communication and Organizational Structure,* Boeing Integrated Defense Systems (Anaheim, CA), July 2004.

P.73　*Supporting Reflective Practitioners, Panel on Design,* the 26th International Conference on Software Engineering (ICSE 2004—Edinburgh, Scotland), May 2004.

P.72　*Continuous Coordination: A New Paradigm for Collaborative Software Engineering Tools,* Workshop on Directions in Software Engineering Environments (WoDiSEE 2004), held in conjunction with the 26th International Conference on Software Engineering (ICSE 2004—Edinburgh, Scotland), May 2004.

P.71　*Designing for Reflective Practitioners: Sharing and Assessing Progress by Diverse Communities,* Workshop by same title held in conjunction with the 2004 Conference on Human Factors in Computing Systems (CHI 2004—Vienna, Austria), April 2004.

P.70　Kick-off meeting for the project, *Balancing Privacy and Accessibility in Mobile, Ad Hoc Networks,* with Paul Dourish, INTEL Site Visit at UC Irvine, March 2004.

P.69　*Awareness, Coordination, and Privacy,* Panel Review of the Institute for Software Research, UC Irvine, March 2004.

P.68　*Research Methodology and Initial Issues,* with C.R.B. de Souza, Boeing Integrated Defense Systems (Anaheim, CA), January 2004.

P.67　*Using Activity Theory to Study Collaborative Software Development,* International Workshop on Community-Driven Evolution of Knowledge Artifacts, UC Irvine, December 2003.

P.66　*'Breaking the Code', Private and Public Work in Collaborative Software Development,* Poster Presentation at the 8th European Conference of Computer-Supported Cooperative Work (ECSCW 2003—Helsinki, Finland), September 2003.

PRESENTATIONS (CONTINUED)

P.65   *Social Creativity and Violence: of the Same Source,* Symposium on Social Creativity and Meta Design, University of Canterbury (Christchurch, NZ), March 2003.

P.64   *Using Event Notification Servers to Support Application Awareness,* IASTED International Conference on Software Engineering and Applications (Cambridge, MA), November 2002.

P.63   *Using Event Notification Servers to Support Application Awareness,* DARPA-DASADA Program Manager Site Visit at UC Irvine, August 2002.

P.62   *Using Event Notification Servers to Support Awareness,* UC Irvine, Institute for Software Research (ISR) Joint Meeting with the Jet Propulsion Laboratory (JPL, Pasadena, CA), August 2002.

P.61   *Using Event Notification Servers to Support Application Awareness,* Hewlett Packard Non-Stop Server Division (Cupertino, CA), August 2002.

P.60   *Using Event Notification Servers to Support Awareness,* Workshop on Collaborative Software Engineering, NASA/Ames (Mountain View, CA), August 2002.

P.59   *CASSIUS: Cross Application Subscription Service Information Update Server,* DARPA-DASADA Technology Exposition, Joint Demonstration with R.S. Silva Filho, July 2002.

P.58   *Practical Lessons Learned While Using Notification Servers to Support Application Awareness,* Workshop on the State of the Art in Automated Software Engineering (Irvine, CA), June 2002.

P.57   *Supporting the End Users' Views,* University of Colorado, Center for Life-long Learning and Design, International Symposium on Social Creativity, (Breckenridge, CO), June 2002.

P.56   *Supporting the End Users' Views,* Working Conference on Advanced Visual Interfaces (AVI 2002—Trento, Italy), Invited Keynote Talk, May 2002.

P.55   *Lessons Learned Using Notification Servers to Support Application Awareness,* Meeting of the Human Computer Interaction Consortium (HCIC, Frasier, CO), February 2002.

P.54   *Usability Throughout the Lifecycle, Panel on Obstacles to Integrating Usability Engineering into Software and Requirements Engineering,* The Sixteenth IEEE International Automated Software Engineering Conference (Coronado Island, CA), November 2001.

P.53   *Supporting the End Users' Views,* UC Irvine, Institute for Software Research (ISR) Joint Meeting with the Jet Propulsion Laboratory (JPL), UC Irvine, October 2001.

P.52   *CASSIUS: Cross Application Subscription Service Information Update Server,* DARPA-DASADA Technology Exposition, Joint Demonstration with C.R.B. de Souza, July 2001.

P.51   *Human-Centered Software Development,* School of Computer Science and Electrical Engineering, The University of Queensland (St Lucia, Queensland, Australia), April 2001.

P.50   *EDEM: Expectation Driven Event Monitoring,* University of Oregon, Eugene, Working Group on Social Agents (Eugene, OR), April 2001.

P.49   *Software Requirements for Supporting Collaboration through Categories,* Workshop on Classification Schemes in Cooperative Work, ACM Conference on Computer Supported Cooperative Work (CSCW 2000—Philadelphia, PA), December 2000.

P.48   *Human-Centered Software Development,* Information Systems Institute, Technische Universität Wien (Vienna, Austria), September 2000.

PRESENTATIONS (CONTINUED)

P.48   *Human-Centered Software Development,* Institut für Hygiene und Arbeitsphysiologie, Eidgenössische Technische Hochshule (ETH, Zurich, Switzerland), September 2000.

P.47   Panel on *Evaluation of Automated Software Engineering Systems,* The Fourteenth IEEE International Automated Software Engineering Conference (Cocoa Beach, FL), October 1999.

P.46   *Organizational Memory, Life-long Learning, and Challenges to Software Engineering,* CU Boulder, Workshop on Life-Long Learning and Organizational Memory (Breckenridge, CO), May 1999.

P.45   *Human-Centered Software Development,* UC Irvine, ICS Research Symposium (Irvine, CA), January 1999.

P.44   *Separating the Wheat from the Chaff in Internet-Mediated User Feedback,* ACM Conference on Computer Supported Cooperative Work (CSCW '98), Workshop on Internet-based Groupware for User Participation in Product Development (Seattle, WA), presented with D. Hilbert, November 1998.

P.43   Two Demonstrations, *Argo/UML* and *Expectation-Driven Event Monitoring (EDEM),* The Thirteenth IEEE International Conference on Automated Software Engineering (Honolulu, HI), October 1998.

P.42   *Integrating Architecture Description Languages with a Standard Design Method,* The Twentieth International Conference on Software Engineering (ICSE '98, Kyoto, Japan), April 1998.

P.41   *An Approach to Large-Scale Collection of Application Usage Data Over the Internet*, The Twentieth International Conference on Software Engineering (ICSE '98, Kyoto, Japan), City, April 1998.

P.40   *Knowledge Management for Software Design,* USC, Meeting of the Software Engineering Group (Los Angeles, CA), April 1998.

P.39   *Knowledge Management for Software Design,* CU Boulder, Meeting of the Human Computer Interaction Consortium (HCIC, Frasier, CO), March 1998.

P.38   *An Approach to Large-Scale Collection of Application Usage Data Over the Internet,* UC Irvine, Bay Area Round Table (BART) Meeting (Palo Alto, CA), February 1998.

P.37   *EDEM: Intelligent Agents for Collecting Usage Data and Increasing User Involvement in Development,* The 1998 International Conference on Intelligent User Interfaces (IUI '98, San Francisco, CA), January 1998.

P.36   Panel on *Architectural Languages and Design Environments: From Research to Practice,* Software Engineering Institute, The 97 Software Engineering Symposium (Pittsburgh, PA), August 1997.

P.35   *Expectation-Driven Event Monitoring (EDEM),* UC Irvine, CU Boulder, UMass Amherst, ARCADIA Consortium Meeting (Boulder, CO), June 1997.

P.34   *Supporting Ongoing User Involvement in Development via Expectation-Driven Event Monitoring,* CU Boulder, Meeting of the "Life-Long Learning and Design" Research Group (Boulder, CO), June 1997.

P.33   *Supporting Evolutionary Design via Expectation Agents,* DARPA, Design Rationale Cluster (EDCS DR) Meeting (Stone Mountain, GA), March 1997.

P.32   *Applying Usability Inspections to Web Page Design,* UC Irvine, Bay Area Round Table (BART) Meeting (Palo Alto, CA), February 1997.

P.31   *Argo Software Architecture Design Environment,* DARPA, Information Management Cluster (EDCS IM) Meeting (Manassas, VA), presented with D. Hilbert, October 1996.

PRESENTATIONS (CONTINUED)

P.30   Panel on *How the "Web" Influences KBSE Technology,* The Eleventh IEEE Knowledge-Based Software Engineering (KBSE-96) Conference (Syracuse, NY), September 1996.

P.29   *Evolutionary Design of Complex Software,* DARPA, Software Environments Workshop (San Diego, CA), March 1996.

P.28   *Addressing Human, Cognitive Needs in Software Design Environments,* UC Irvine, Bay Area Round Table (BART) Meeting (Palo Alto, CA), September 1995.

P.27   *Evolutionary Design of Complex Software*, Rockwell Science Center (Thousand Oaks, CA), September 1995.

P.26   *Refining Requirements and Design of Interactive Software through a Cognitive Walkthrough,* Southern California Client/Server User Group Meeting (Torrence, CA), July 1995.

P.25   *A Curriculum for Human-Centered Software Development,* Sun Microsystems (Mountain View, CA), June 1995.

P.24   *Refining Requirements and Design of Interactive Software through a Cognitive Walkthrough,* UC Irvine, Irvine Research Unit in Software, Software Engineering Tools and Technologies (SETT) Meeting (Irvine, CA), May 1995.

P.23   *Human-Centered Software Development,* UC Irvine, ICS Alumni Organization (Irvine, CA), February 1995.

P.22   *Agent-Based Support for Communication between Developers and Users in Software Design,* UC Irvine, Bay Area Round Table (BART) Meeting (Palo Alto, CA), November 1994.

P.21   *Human-Centered Software Development,* UC Irvine, Irvine Research Unit in Software, Fall Research Review (FRR) (Irvine, CA), October 1994.

P.20   *Human-Centered Software Development,* City University (London, England), October 1994.

P.19   *Agent-Based Support for Communication between Developers and Users in Software Design,* IEEE Conference on Knowledge-Based Software Engineering (Monterey, CA), September 1994.

P.18   *From Programming Tasks to Solutions—Bridging the Gap through the Explanation of Examples,* UC Irvine, Information and Computer Science Colloquium (Irvine, CA), April 1994.

P.17   *Designing Useful and Usable Computational Environments,* Advanced Research Projects Agency (ARPA), Human-Computer Interface (HCI) Evaluation Workshop, the MITRE Corporation (Bedford, MA), March 1994.

P.16   *Discussion of the Paper, The Impact of Graphic Design on User Interfaces,* by K. Reichenberger, at the Meeting of the Human Computer Interaction Consortium (HCIC) (Frasier, CO), February 1994.

P.15   *Beyond Object-Oriented Programming: A Knowledge-Based Architecture for Contextualized Software Design,* Joint Presentation with S. Lindstaedt, Colorado Advanced Software Institute (CASI) Annual Research Symposium (Denver, CO), October 1993.

P.14   *Observations On Using Empirical Studies in Developing a Knowledge-Based Software Engineering Tool,* Knowledge-Based Software Engineering (KBSE) Conference (Chicago, IL), September 1993.

PRESENTATIONS (CONCLUDED)

P.13   *Reducing the Variability of Programmers' Performance Through Explained Examples,* Human Factors in Computing Systems (INTERCHI) Conference (Amsterdam, The Netherlands), April 1993; also presented at the Integrated Publications and Information Systems Institute (GMD-IPSI) (Darmstadt, Germany), May 1993, and at the Institute for Computer Science, University of Stuttgart (Stuttgart, Germany), May 1993.

P.12   *Beyond Object-Oriented Programming: A Knowledge-Based Architecture for Contextualized Software Design,* Joint Presentation with G. Fischer, U S West Corporation, Advanced Technology Division (Boulder, CO), October 1992.

P.11   *Prototypes of Domain-Oriented Design Environments,* Knowledge-Based Software Engineering (KBSE) Conference, Demonstration Track (Tyson's Corner, VA), September 1992.

P.10   *A Knowledge-Based Interface to Promote Software Understanding,* Knowledge-Based Software Engineering (KBSE) Conference (Syracuse, NY), September 1991.

P.9   *Supporting Software Reuse through Examples,* Human Factors in Computing Systems (CHI) Conference, Doctoral Consortium Track (New Orleans, LA), April 1991.

P.8   *Supporting Software Reuse through Program Examples,* University of Colorado Industrial Affiliates Conference (Boulder, CO), February 1991; also Joint Presentation with S. Henninger at the International Business Machines (IBM) Corporation (Boulder, CO), March 1991.

P.7   *Explanation to Support Software Reuse,* American Association for Artificial Intelligence (AAAI) Workshop on Explanation (Boston, MA), July 1990.

P.6   *A Conceptual Framework and Innovative Systems for Accessing Knowledge for Software Reuse,* Joint Presentation with G. Fischer and S. Henninger, Meeting of the Human Computer Interaction Consortium (HCIC) (San Diego, CA), February 1990.

P.5   *A Knowledge-Based Design Environment for Graphical Network Editors,* Hawaii Conference on System Sciences (HICSS), Software Track (Kailua-Kona, Hawaii), January 1989.

P.4   *Computer Software for Data Representation and Interaction,* Aluminum Company of America (ALCOA) Laboratories, Process Control & Computer Technology Division (Alcoa Center, PA), January 1987.

P.3   *Two Views of Building a Database: Computer Science and Materials Science,* Joint Presentation with J.L. Murray, Calculated Phase Diagrams (CALPHAD) Conference (Boston, MA), June 1985.

P.2   *The American Society for Metals/National Bureau of Standards Joint Project on Computerized Phase Diagrams,* Joint Presentation, Press Conference and Demonstration for the late Malcolm Baldrige, then Secretary of Commerce (Washington, D.C.), February 1985.

P.1   *K*: A FORTRAN-Based Code for Programming and Evaluating Interactive Software,* Pressure Vessels and Piping Conference and Exhibition, Track on Engineering Databases: Software for On-Line Applications (San Antonio, TX), June 1984.

UNDERGRADUATE COURSES TAUGHT

IN4MATX 44 Seminar in Informatics Research Topics
IN4MATX 111 Software Methods and Tools
IN4MATX 117 Project in System Design
IN4MATX 131 Human Computer Interaction
IN4MATX 143 Information Visualization
IN4MATX 161 Social Analysis of Computerization
IN4MATX 199 Individual Study

GRADUATE COURSES TAUGHT

IN4MATX 209s Seminar in Informatics
IN4MATX 211 Software Engineering
IN4MATX 231 Human-Computer Interaction
IN4MATX 233 Knowledge-Based User Interfaces
IN4MATX 235 Advanced User Interface Architecture
IN4MATX 242 Ubiquitous Computing and Interaction
IN4MATX 295 Special Topics – Internet Usability
IN4MATX 295 Special Topics – Ubiquitous Computing
IN4MATX 295 Special Topics – Knowledge Management
IN4MATX 295 Special Topics – The Human Aspects of Globally Distributed Software Development
IN4MATX 290 Research Seminar
IN4MATX 298 Thesis Supervision
IN4MATX 299 Individual Study

UNDERGRADUATE CLUB SPONSORED

Faculty Sponsor for the Social Informatics Club founded by Ashu Kumra, AY 2001-2002.

GRADUATE STUDENTS ADVISED

Dissertation Committee Chair (Principal PhD Advisor, University of California, Irvine)
Erik Trainer   Fall 2012, Postdoctoral Researcher, Carnegie-Mellon University
Hiroko Wilensky Winter 2011, Engineer, Boeing
Wiwat Ruengmee Fall 2010, Major, Royal Thai Army
Roberto Silveira Silva Filho
                Summer 2009, Systems Engineer Researcher, Siemens Corporate Research.
Cleidson Ronald Botelho de Souza
                Spring 2005, Research Associate at the Vale Technological Institute (ITV) and
                Associate Professor in the Faculty of Computing at the Federal University of Pará.
Michael Kantor   Winter 2001, Senior UI Software Engineer, ServiceMax
Jason Robbins   Summer 1999, Software Engineer, Google
David Hilbert   Spring 1999, Senior Research Scientist, FX Palo Alto Laboratory

Dissertation Committee Chair (Principal PhD Advisor, in progress)
Benjamin Köhne,   PhD expected Spring 2014, University of California, Irvine
Yi "Oliver" Wang   PhD expected Spring 2015, University of California, Irvine

Dissertation Committee Member (outside of University of California, Irvine)
Norhayati Mohd Ali   2011, University of Auckland, Senior Lecturer, Universiti Putra Malaysia
Yolanda Jones   2008, Drexel University,
        Assistant Director, Wayne State University Library System's Arthur Neef Law Library
Marcelo Cataldo   2007, Carnegie Mellon University, Senior Researcher at Bosch Corporate Research
Tonja Molin-Juustila   2006, University of Oulu, Finland, PUDAS Project Manager, University of Oulu
Mohamed El-Said   1994, University of Colorado, Boulder, Faculty, Al-Azhar University

GRADUATE STUDENTS ADVISED (CONCLUDED)

Dissertation Committee Member (University of California, Irvine)

Patrick Shih	Fall 2011, Postdoctoral Researcher, Pennsylvania State University
Scott Hendrickson	Winter 2011, Member Technical Staff, Aerospace Corporation
Sushil K Bajracharya	Summer 2010, Senior Software Engineer at Black Duck Software
Sukanya Ratanotayanon	Spring 2010, Assistant Professor, Thammasat University, Bangkok
Art Hitomi	Spring 2010, Chief Technology Officer at Endeavors Technologies, Inc.
Jose Romero-Mariona	Spring 2010, Research Scientist, Space and Naval Warfare Systems Command
Norman Su	Fall 2009, Assistant Professor, The School of Informatics and Computing at Indiana University, Bloomington
Steve Abrams	Summer 2009, Postdoctoral Researcher, University of California, Irvine
Eric M. Dashofy	Spring 2007, The Aerospace Corporation
Anita Sarma	Spring 2007, Assistant Professor, University of Nebraska, Lincoln
Girish Suryanarayana	Spring 2007, Siemens Research
Jie Ren	Winter 2006, Software Engineer, Google
Emily Navarro	Fall 2006, Research Scientist, UCI
Marcio Dias	Fall 2004, Lecturer, University of Durham
Danyel Fisher	Summer 2004, Researcher, Microsoft Research
Chris Lüer	Summer 2004, Assistant Professor, Ball State University
Madhu Reddy	Summer 2003, Assistant Professor, Penn State University
Marlon Vieira	Fall 2002, Program Manager, Siemens
Clark Turner	Summer 1999, Associate Professor, Cal Poly, San Luis Obispo
Arthur Reyes	Summer 1999, Assistant Professor, UT, Austin
Juei Chang	Winter 1999, Member Technical Staff, Sun
Neno Medvidovic	Fall 1998, Assistant Professor, USC
Gregory Alan Bolcer	Fall 1998, Founder and CTO, Endeavors Technologies
Nancy Eickelmann	Spring 1997, Member Technical Staff, Motorola
Hadar Ziv	Spring 1997, Member Technical Staff, Quest Software
T. Owen O'Malley	Fall 1996, Member Technical Staff, Reasoning
Holly Hildreth	Spring 1996, Member Technical Staff, TRW

Master's Degrees Supervised (other than PhD students, University of California, Irvine)

Jungmin Shin	Fall 2008, Software Engineer, Samsung Electronics
Stephen Quirk	Spring 2007, Software Engineer, Intuit
Tom Herring	Spring 2005, Manager, Southern California Edison, Retired
Santhoshi Dumpala Basaveswara	Spring 2002
Roshan Vijayshankar	Spring 2000
Bharti Jhi	Spring 2000
Jaya Vaidyanathan	Spring 1999, Member Technical Staff, Philips Semiconductors
Anthony Kutscher	Spring 1997, Engineer, Rockwell
Shilpa Shukla	Spring 1997, Consultant

Master's Degrees Committee Member (other than PhD students, University of California, Irvine)

Paul DiGioia	Spring 2007
Jon Froelich	Spring 2004
Ryan Yasui	Spring 2004

Master's Degrees Supervised (other than PhD students, outside of University of California, Irvine)

Michael Caldera	in progress, University of Brescia, Italy
Jana Schumann	Fall 2011, Otto-von-Guericke-Universität Magdeburg, Freelance Software Developer
Mehran Majidi	Spring 1991, University of Colorado, Boulder, Member Technical Staff, IBM

POSTDOCTORAL SCHOLARS SUPERVISED

Matthew Bietz	January 2009-June 2012
Ban Al-Ani	June 2006-present
Rogerio de Paula	September 2004-2005, Research Scientist, IBM Research, Brazil

SERVICE TO THE RESEARCH COMMUNITY

IEEE/ACM International Conference on Automated Software Engineering (ASE, formerly Knowledge-Based Software Engineering)

2012	Program Committee Member and Steering Committee Member
2011	Program Committee Member, Steering Committee Member, Doctoral Consortium Panelist
2010	Program Committee Member and Steering Committee Member
2009	Program Committee Member and Steering Committee Member
2008	Program Committee Member and Steering Committee Member
2007	Program Committee Member and Steering Committee Member
2006	Steering Committee Member
2005	Conference Chair and Steering Committee Member
2004	Program Committee Member and Steering Committee Member
2003	Program Committee Member and Steering Committee Member
2002	Program Committee Member and Steering Committee Member
2001	Program Committee Member and Steering Committee Member
2000	Program Committee Member and Steering Committee Member
1999	Program Committee Member and Steering Committee Member
1998	Program Co-Chair
1997	Program Committee Member
1996	Panels and Tutorials Chair and Program Committee Member

International Symposium on End-User Development (IS-EUD)

2013	Program Co-Chair
2011	Program Committee Member

Symposium On Usable Privacy and Security (SOUPS)

2008	Program Committee Member
2007	Program Committee Member

IEEE Symposium on Visual Languages and Human-Centric Computing

2009	Program Committee Member
2008	Program Committee Member
2014	Program Committee Member

Organizer of the Panel, *Collaborative Software Engineering – New and Emerging Trends,* Conference on Computer-Supported Cooperative Work (CSCW 2006— Banff, Canada), November 2006.

Organizer of the Panel, *Supporting Reflective Practitioners,* the 26th International Conference on Software Engineering (ICSE 2004—Edinburgh, Scotland), May 2004.

Co-Organizer of a Workshop with K. Nakakogi, *Designing for Reflective Practitioners: Sharing and Assessing Progress by Diverse Communities,* held in conjunction with the 2004 Conference on Human Factors in Computing Systems (CHI 2004—Vienna, Austria), April 2004.

Program Committee Member for the 4th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2011)

Program Committee Member for the 2004 Asia Pacific Conference on Computer-Human Interaction. (APCHI 2004).

SERVICE TO THE RESEARCH COMMUNITY (CONTINUED)

Program Committee Member for the 2003 IEEE Symposium on Visual and Multimedia Software Engineering (VMSE 2003)

Joint guest editor with B. Nardi for Computer-supported Cooperative Work, Special Issue on Activity Theory and the Practice of Design, Vol. 11, No. 1-2, 2002.

Joint guest editor with B. Nuseibeh for Automated Software Engineering, Special Issue of Selected Papers from the Thirteenth IEEE International Conference on Automated Software Engineering, Vol. 7, No. 2, May 2000.

Program Committee Member for the 1999 ACM International Conference on Intelligent User Interfaces (IUI 1999)

Posters and Informal Demonstrations Chair for the Twenty-First International Conference on Software Engineering (ICSE 1999)

California Software Symposium
        1998   Conference Co-Chair
        1995-1997   Program Committee Member

Program committee member and panel chair for the Tenth IEEE Conference on Artificial Intelligence for Applications, San Antonio, March 1994

Reviewer for Additional Conferences
        Conference on Human Factors in Computing Systems (CHI 2007, CHI 2008, CHI 2009)
        Eclipse Technology Exchange Workshop at OOPSLA 2006 (ETX 2006)
        ACM Conference on Computer-Supported Cooperative Work (CSCW 2002, CSCW 2006, 2010)
        ACM Conference on Hypertext and Hypermedia (Hypertext 2000, 2001, 2003)
        Computer Support for Collaborative Learning (CSCL 2002)
        ACM Symposium on User Interface Software and Technology (UIST 1996, 2000, 2001)
        International Conference on Software Engineering (ICSE 1997)
        International Conference on Application and Theory of Petri Nets (1993)

Reviewer for Journals:
        ACM Transactions on Software Engineering and Methodology
        ACM Transactions on Computer-Human Interaction
        Automated Software Engineering
        Computer Supported Cooperative Work
        Empirical Software Engineering
        Human Computer Interaction
        Information and Software Technology
        International Journal of Human-Computer Studies
        IEEE Transactions on Software Engineering
        IEEE Computer Graphics and Applications
        IEEE Software
        Journal of Interactive Media in Education
        Journal of Visual Languages and Computing

Reviewer for Books: Morgan Kaufman

Reviewer for Proposals:
        National Science Foundation
        University of California MICRO
        University of California DISCOVERY

SERVICE TO THE RESEARCH COMMUNITY (CONCLUDED)

Workshops, Meetings, and Panels Organized with the UC Institute for Software Research (ISR, Irvine, CA)

June 2008	Meeting of the Southern California Knowledge Management Consortium
June 2006	Panel on Knowledge Management (see http://www.isr.uci.edu/events/Research-Forum-2006/)
March 2006	Meeting of the Southern California Knowledge Management Consortium
December 2003	International Workshop on Community-Driven Evolution of Knowledge Artifacts (see http://www.isr.uci.edu/events/CDEKA-Workshop/program.html)
August 2002	ISR-NASA Ames Collaborative Software Engineering Tools Workshop (see http://www.isr.uci.edu/events/NASA-Workshop/)
June 2002	Workshop on the State of the Art in Automated Software Engineering (see http://www.isr.uci.edu/events/ASE-Workshop-2002/)

Meetings Organized for the UC Irvine Research Unit in Software, Bay Area Round Table (Palo Alto, CA)

September 10, 1999	Organizational Memory and Project Awareness
June 11, 1999	Ethnography to Inform Tool Design
February 14, 1997	Multi-Media Interface Design: Design Guidelines for the World Wide Web
January 10, 1997	Distributed Coordination and Communication Technology: Process Support for Distributed Technologies
December 13, 1996	Distributed Coordination and Communication Technology: Organizational Learning
November 8, 1996	Distributed Coordination and Communication Technology: Distributed Software Development
October 11, 1996	Distributed Coordination and Communication Technology: Introduction and Overview
September 15, 1995	Design Environments for User Interfaces

Meetings Organized for the UC Irvine Research Unit in Software, Software Engineering, Tools, and Technologies (SETT) Meeting (Irvine, CA)

May 1995	Requirements Engineering

SERVICE TO THE UNIVERSITY COMMUNITY

Campus-wide Service at the University of California, Irvine

Faculty Board for Undecided/Undeclared Freshmen (serving AY 1999-2000, AY 2000-2001, AY 2001-2002)
IRB "C" "Human Subjects Committee" (member, AY 1998-1999, part of AY 1999-2000, AY 2000-2001)
Web Advisory Committee (member, AY 1998-1999)
ICS Representative to Academic Assembly (serving AY 1998-1999)
LGBRC (Lesbian, Gay, and Bisexual Resource Center) Advisory Board (member since Fall 1997)
Art Gallery's Advisory Committee (member, AY 1997-1998)
Digital Imaging Search Committee, School of Fine Arts (member, AY 1995-1996)
Student Discipline and Grievance Review Board (member, AY 1996-1997)
Senate Library Committee (member, AY 1996-1997)

Schoolwide Service in the Donald Bren School of Information and Computer Sciences, University of California, Irvine

Ubiquitous Computing Search Committee (chair, AY 2001-2002)
"Mini-CEP" ad hoc Committee between ECE and ICS (member, AY 2001-2002)
Faculty Mentor (van der Hoek, AY 2001-2002, AY 2002-2003)
Faculty Mentor (Sim, AY 2003-2004, AY 2004-2005)
Academic Personnel (member, AY 2001-2002) – includes three (3) subcommittees that met separately, including two (2) that I chaired
Educational Policy Committee (chair, AY 1999-2000)
CORPS Search Committee (member, AY 1998-1999)
Computing Resources Committee (chair, AY 1996-1997)
Software Search Committee (member, AY 1996-1997, AY 2000-2001, ex-officio AY 2001-2002, AY 2002-2003)
Library Committee (chair, AY 1996-1997)
Graduate Admissions Committee (member, AY 1994-1995, AY 1995-1996, chair, AY 2003-2004)
Graduate Policy Committee (member, AY 1994-1995, AY 1995-1996 and AY 2003-2004)
Institute for Software Research (formerly, Irvine Research Unit on Software, member since July 1994)

Departmental Service in the Department of Informatics, University of California, Irvine

Informatics Major Advisory Committee (July 2012-June 2013)
Chair's Advisory Committee (July 2012-June 2013)
Department Chair (July 2004-June 2011)

HONORS

2011   Association for Computing Machinery (ACM) Distinguished Scientist
2010   Most Influential Paper from KBSE 1996 for the paper with J. Robbins and D. Hilbert (see C.16 above)
2009   Fellow of Automated Software Engineering ("ASE Fellow")
2002   UCI Undergraduate Research Opportunity (UROP) Award, Spring 2002, to sponsor M. Slabyak.
2000   University of California, Irvine Outstanding Professor from the Dept. of Information and Computer Science
1998   University of California Chancellor's Award for Excellence in Undergraduate Research
1998   University of California Faculty Career Development Award
1996   Best Paper, IEEE Knowledge-Based Software Engineering Conference
1996   National Science Foundation CAREER Award
1994   Best Paper, East-West Conference on Computer Technologies in Education
1985   United States Department of Commerce Bronze Medal
1980   Phi Kappa Phi Honor Society