

**Thomas A. Alspaugh**  
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## Education

<i>Sep 2002</i>	<b>North Carolina State University</b> Doctor of Philosophy in Computer Science Thesis title: “Scenario Networks and Formalization for Scenario Management” Thesis advisor: Annie I. Antón	<i>Raleigh, NC</i>
<i>1980</i>	<b>University of North Carolina</b> Master of Science in Computer Science Advisor: David L. Parnas	<i>Chapel Hill, NC</i>
<i>1977</i>	<b>University of North Carolina at Greensboro</b> Bachelor of Arts in Physics <i>magna cum laude</i>	<i>Greensboro, NC</i>

## Employment

<i>2011–present</i>	<b>Institute for Software Research, University of California, Irvine</b> Project Scientist	<i>Irvine, CA</i>
<i>2008–2011</i>	Visiting Assistant Researcher	
<i>2009–2010</i>	<b>Georgetown University</b> Adjunct Assistant Professor Department of Computer Science	<i>Washington, DC</i>
<i>2002–2008</i>	<b>University of California, Irvine</b> Assistant Professor Department of Informatics, School of Information and Computer Science	<i>Irvine, CA</i>
<i>1996–2002</i>	<b>North Carolina State University</b> Graduate Research Assistant	<i>Raleigh, NC</i>
<i>1996, 1998</i>	Graduate Teaching Assistant	
<i>1994–1995</i>	<b>Hale High School</b> Mathematics Teacher	<i>Raleigh, NC</i>

1989–1995	<b>Full-time parent</b> (daughter born 1988; two step-children)	Raleigh, NC; St-Jeannet, France
1987–1989	<b>Data General Corporation</b> Software Engineer and Project Leader	Research Triangle Park, NC
1986	<b>Technical Services Corporation</b> Software Engineer	Chapel Hill, NC
1985–1986	<b>Compuchem Laboratories</b> Manager of Software Development	Research Triangle Park, NC
1982–1985	<b>Naval Research Laboratory</b> Computer Scientist	Washington, DC
1982–1983	Software Cost Reduction (SCR) Project, also known as the A-7 project	
1982–1983	Military Message Experiment	
1981–1982	<b>International Business Machines</b> Associate Programmer	Research Triangle Park, NC
1981	<b>Research Triangle Institute</b> Consultant	Research Triangle Park, NC

## Professional Affiliations

1980-present	Association for Computing Machinery (ACM)
1998-present	Association for Computing Machinery Special Interest Group on Software Engineering
1998-2014	Institute of Electrical and Electronics Engineers (IEEE)

## Refereed Book Chapters

Thomas A. Alspaugh, Hazeline U. Asuncion, and Walt Scacchi. “The challenge of heterogeneously licensed systems in open architecture software ecosystems.” *Software Ecosystems: Analyzing and Managing Business Networks in the Software Industry*, editors Slinger Jansen, Michael Cusumano, and Sjaak Brinkkemper, Edward Elgar Publishing, 2013.

Thomas A. Alspaugh, Hazeline U. Asuncion, and Walt Scacchi. “Software licenses, open source components, and open architectures.” *Aligning Enterprise, System, and Software Architectures*, editors Ivan Mistrk, Antony Tang, Rami Bahsoon, and Judith A. Stafford, 2012.

Mamadou H. Diallo, Leila Naslavsky, Thomas A. Alspaugh, Hadar Ziv, and Debra J. Richardson. “Toward Architecture Evaluation Through Ontology-based Requirements-level Scenarios.” *Architecting Dependable Systems V*, editors R. de Lemos, F. Di Giandomenico, C. Gacek, H. Muccini, and M. Vieira. 2008.

## Journal Publications

Walt Scacchi and Thomas A. Alspaugh. “Understanding the role of licenses and evolution in open architecture software ecosystems.” *Journal of Systems and Software*, **85**(7):1479–1494, July 2012.

Susan Elliott Sim and Thomas A. Alspaugh. “Getting the whole story: An experience report on analyzing data elicited using the war stories procedure.” *Empirical Software Engineering Journal*, **16**(4):460–486, Aug. 2011.

Thomas A. Alspaugh, Walt Scacchi, and Hazeline U. Asuncion. “Software Licenses in Context: The Challenge of Heterogeneously-Licensed Systems.” *Journal of the Association for Information Systems*, **11**(11):730–755, Nov. 2010.

Thomas A. Alspaugh and Annie I. Antón. “Scenario Support for Effective Requirements.” *Information and Software Technology* **50**(3):190–220, Feb. 2008.

Lihua Xu, Hadar Ziv, Thomas A. Alspaugh, and Debra J. Richardson. “An Architectural Pattern for Non-functional Dependability Requirements.” *Journal of Systems and Software*, special issue on Architecting Dependable Systems. **79**(10):1370–1378, Oct. 2006.

## Refereed Conference and Workshop Publications

Thomas A. Alspaugh and Walt Scacchi. “Ongoing software development without classical requirements.” *21st IEEE International Requirements Engineering Conference (RE13)*, pages 165–174, 15–19 July 2013.

Walt Scacchi and Thomas A. Alspaugh. “Processes in securing open architecture software systems.” *International Conference on Software and System Processes (ICSSP 2013)*, pages 126–135, 18–19 May 2013.

Thomas A. Alspaugh, Walt Scacchi, and Rihoko (Inoue) Kawai. “Software licenses, coverage, and subsumption.” *Fifth International Workshop on Requirements Engineering and Law (RELAW’12)*, Chicago, IL, USA, September 2012.

Thomas A. Alspaugh and Walt Scacchi. “Licensing security.” *Fifth International Workshop on Requirements Engineering and Law (RELAW’12)*, Chicago, IL, USA, September 2012.

Walt Scacchi and Thomas A. Alspaugh. “Designing secure systems based on open architectures with open source and closed source components.” *International Conference on Open Source Systems (OSS 2012)*, Hammamet, Tunisia, September 2012. Acceptance rate 32%.

Travis D. Breaux and Thomas A. Alspaugh. “Governance and accountability in the new data ecology: A vision for electronic data licenses.” *Fourth International Workshop on Requirements Engineering and Law (RELAW’11)*, Trento, Italy, August 2011.

Thomas A. Alspaugh, Hazeline U. Asuncion, and Walt Scacchi. “Presenting software license conflicts through argumentation.” *23rd International Conference on Software Engineering and Knowledge Engineering (SEKE 2011)*, Miami Beach, FL, USA, July 2011. Acceptance rate 31%.

Thomas A. Alspaugh, Hazeline U. Asuncion, and Walt Scacchi. “The Role of Software Licenses in Open Architecture Ecosystems.” *First International Workshop on Software Ecosystems (IWSECO-2009)*, Falls Church, VA, USA, September 2009.

Thomas A. Alspaugh, Hazeline U. Asuncion, and Walt Scacchi. “Heterogeneously-Licensed System Requirements, Acquisition, and Governance.” *Second International Workshop on Requirements Engineering and Law (RELAW’09)*, Atlanta, USA, September 2009.

Thomas A. Alspaugh, Hazeline U. Asuncion, and Walt Scacchi. “Intellectual Property Rights Requirements for Heterogeneously-Licensed Systems.” *17th International Requirements Engineering Conference (RE’09)*, Atlanta, USA, September 2009. Acceptance rate 21%.

Thomas A. Alspaugh, Hazeline U. Asuncion, and Walt Scacchi. “Analyzing Software Licenses in Open Architecture Software Systems.” *2nd International Workshop on Emerging Trends in FLOSS Research and Development (FLOSS)*, Vancouver, BC, Canada, May 2009.

Susan Elliott Sim, Thomas A. Alspaugh, and Ban Al-Ani. “Marginal Notes on Amethodical Requirements Engineering: What experts learned from experience.” *16th International Requirements Engineering Conference (RE’08)*, Barcelona, Spain, September 2008. Acceptance rate 11%.

Amanda M. Williams and Thomas A. Alspaugh. “Articulating Software Requirements Comic Book Style.” *Third International Workshop on Multimedia and Enjoyable Requirements Engineering (MERE’08)*, Barcelona, Spain, September 2008.

Mamadou Diallo, Susan Elliott Sim, and Thomas A. Alspaugh. “Case Study, Interrupted: The Paucity of Subject Systems that Span the Requirements-Architecture Gap.” *First Workshop on Empirical Assessment of Software Engineering Languages and Technologies (WEASEL’07)*, Atlanta, GA, November 2007.

Thomas A. Alspaugh, Susan Elliott Sim, Kristina Winbladh, Mamadou Diallo, Hadar Ziv, and Debra J. Richardson. “The Importance of Clarity in Usable Requirements Specification Formats.” *Fifth International Workshop on Comparative Evaluation in Requirements Engineering (CERE’07)*, Delhi, India, October 2007.

Mamadou H. Diallo, Leila Naslavsky, Hadar Ziv, Thomas A. Alspaugh, and Debra J. Richardson. “Evaluating Software Architectures Against Requirements-level Scenarios.” *International Workshop on the Role of Software Architecture for Testing and Analysis (ROSATEA’07)*, Boston, MA, July 2007.

Rand Waltzman, Kristina Winbladh, Thomas A. Alspaugh, and Debra J. Richardson. “In the Requirements Lies the Power.” *International Conference on Software Engineering and Knowledge Engineering (SEKE’07)*, Boston, MA, July 2007. Acceptance rate 43%.

Thomas A. Alspaugh, Eric Baumer, and Bill Tomlinson. “On a Mixed-Methods Evaluation of a Social-Agent Scenario Visualization.” *Fourth International Workshop on Comparative Evaluation in Requirements Engineering (CERE’06)*, pages 60–65, Minneapolis, MN, September 2006.

Kristina Winbladh, Thomas A. Alspaugh, Hadar Ziv, and Debra J. Richardson. “An Automated Approach for Goal-driven, Specification-based Testing.” *International Conference on Automated Software Engineering (ASE’06)*, pages 289–292, Tokyo, Japan, September 2006. Acceptance rate 28%.

Thomas A. Alspaugh, Bill Tomlinson, and Eric Baumer. “Using Social Agents to Visualize Software Scenarios.” *ACM Symposium on Software Visualization (SoftVis’06)*, pages 87–94, Brighton, England, September 2006. Acceptance rate 36%.

Mamadou H. Diallo, Jose Romero-Mariona, Susan Elliot Sim, Thomas A. Alspaugh, and Debra J. Richardson. “A Comparative Evaluation of Three Approaches to Specifying Security Requirements.” *12th Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ’06)*, Luxembourg, June 2006. Acceptance rate 41%.

Kristina Winbladh, Thomas A. Alspaugh, Hadar Ziv, and Debra J. Richardson. “Architecture-based Testing Using Goals and Plans.” *Second International Workshop on the Role of Software Architecture for Testing and Analysis (ROSATEA’06)*, Portland, ME, July 2006.

Leila Naslavsky, Thomas A. Alspaugh, Debra J. Richardson, and Hadar Ziv. “Using Scenarios to Support Traceability.” *Third International Workshop on Traceability in Emerging Forms of Software Engineering (TEFSE’05)*, Long Beach, CA, Nov. 2005.

Thomas A. Alspaugh, Debra J. Richardson, and Thomas A. Standish. “Scenario-driven Specification-based Testing against Goals and Requirements.” In *11th International Workshop on Requirements Engineering: Foundation for Software Quality (REFSQ’05)*, Porto, Portugal, June 2005, pages 187–202. Acceptance rate 50%.

Thomas A. Alspaugh, Debra J. Richardson, and Thomas A. Standish. “Scenarios, State Machines, and Purpose-Driven Testing.” In *Fourth International Workshop on Scenarios and State Machines: Models, Algorithms and Tools (SCESM’05)*, St. Louis, MO, May 2005, pages 1–5. Acceptance rate 41%.

Lihua Xu, Hadar Ziv, Debra Richardson, and Thomas A. Alspaugh. “An architectural pattern for non-functional dependability requirements.” In *2005 Workshop on Architecting Dependable Systems (WADS ’05)*, St. Louis, MO, May 2005, pages 1–6. Acceptance rate 54%.

Annie I. Antón, Julia B. Earp, Colin Potts, and Thomas A. Alspaugh. “The role of policy and stakeholder privacy values in requirements engineering.” In *Fifth IEEE International Symposium on Requirements Engineering (RE’01)*, Toronto, Canada, August 2001, pages 138–145. Acceptance rate 28%.

Thomas A. Alspaugh and Annie I. Antón. “Scenario networks: A case study of the enhanced messaging system.” In *Seventh International Workshop on Requirements Engineering: Foundation for Software Quality (REFSQ’01)*, Interlaken, Switzerland, June 2001.

Thomas A. Alspaugh, Annie I. Antón, Tiffany Barnes, and Bradford W. Mott. “An integrated scenario management strategy.” In *Fourth IEEE International Symposium on Requirements Engineering (RE’99)*, Limerick, Ireland, June 1999, pages 142–149. Acceptance rate 24%.

## Refereed Research and Tool Demonstrations

Eric Baumer, Bill Tomlinson, Man Lok Yau, and Thomas A. Alspaugh. “Normative Echoes: use and manipulation of player generated content by communities of NPCs.” *Second Conference on Artificial Intelligence and Interactive Digital Entertainment (AIIDE’06)*, June 2006.

Thomas Alspaugh and Annie I. Antón. “Contrasting Use Case, Goal, and Scenario Analysis of the Euronet System.” Short paper / poster presentation in *Eleventh IEEE International Requirements Engineering Conference (RE’03)*, Monterey Bay, CA, September 2003, pages 355–356.

William Stufflebeam, Annie I. Antón, and Thomas Alspaugh. “SMaRT – Scenario Management and Requirements Tool.” Short paper / research demo in *Eleventh IEEE International Requirements Engineering Conference (RE’03)*, Monterey Bay, CA, September 2003, page 351.

## Other Publications

Walt Scacchi and Thomas A. Alspaugh. “Achieving Better Buying Power for Mobile Open Architecture Software Systems Through Diverse Acquisition Scenarios.” *13th Annual Acquisition Research Symposium*, Monterey, CA, USA, May 2016.

Walt Scacchi and Thomas A. Alspaugh. “Achieving Better Buying Power through Acquisition of Open Architecture Software Systems for Web-Based and Mobile Devices.” *12th Annual Acquisition Research Symposium*, Monterey, CA, USA, May 2015.

Walt Scacchi and Thomas A. Alspaugh. “Achieving Better Buying Power through Cost-Sensitive Acquisition of Open Architecture Software Systems.” *11th Annual Acquisition Research Symposium*, Monterey, CA, USA, May 2014.

Walt Scacchi and Thomas A. Alspaugh. “Challenges in the development and evolution of secure open architecture command and control systems.” *International Command and Control Research and Technology Symposium, 2013 (ICCRTS)*, pages 1-17, June 2013.

Walt Scacchi and Thomas A. Alspaugh. “Streamlining the process of acquiring secure open architecture software systems.” *10th Annual Acquisition Research Symposium*, Monterey, CA, USA, May 2013.

Walt Scacchi and Thomas A. Alspaugh. “Addressing challenges in the acquisition of secure software systems with open architectures.” *9th Annual Acquisition Research Symposium*, Monterey, CA, USA, May 2012.

Walt Scacchi and Thomas A. Alspaugh. “Advances in the Acquisition of Secure Systems Based on Open Architectures.” *8th Acquisition Research Symposium*, Monterey, CA, USA, May 2011.

Walt Scacchi, Kevin Crowston, Chris Jensen, Greg Madey, Thomas Alspaugh, Megan Squire, Les Gasser, Scott Hissam, Yuzo Kanomata, Hamid Ekbai, Kangning Wei, Charles Schweik et al. “Towards a science of open source systems.” Report prepared for the Computing Community Consortium (CCC). November 2010.

Thomas A. Alspaugh, Hazeline U. Asuncion, and Walt Scacchi. “The Challenge of Heterogeneously Licensed Systems in Open Architecture Software Ecosystems.” *7th Acquisition Research Symposium*, Monterey, CA, USA, May 2010.

Thomas A. Alspaugh, Hazelinue U. Asuncion, and Walt Scacchi. “Software Licenses, Open Source Components, and Open Architectures.” *6th Acquisition Research Symposium*, Monterey, CA, USA, May 2009.

Walt Scacchi and Thomas A. Alspaugh. “Emerging Issues in the Acquisition of Open Source Software by the U.S. Department of Defense.” *Fifth Annual Acquisition Research Symposium*, Monterey, CA, USA, May 2008.

Thomas A. Alspaugh, Stuart R. Faulk, Kathryn Heninger Britton, R. Alan Parker, David L. Parnas, and John E. Shore. “Software Requirements for the A-7E Aircraft.” NRL Memorandum Report 3876, Naval Research Laboratory, Washington, DC, August 1992.

## Thesis

Thomas A. Alspaugh. “Scenario networks and formalization for scenario management.” PhD thesis, North Carolina State University, Raleigh, NC, September 2002.

## Honors

- 2007* Chancellor’s Award for Excellence in Fostering Undergraduate Research
- 1997–1999* Hewlett Graduate Fellow, North Carolina State University (member of a faculty-student group exploring effective teaching approaches and working to improve undergraduate education)
- 1977* Student Excellence Award (UNC-Greensboro’s highest academic honor)
- 1977* Phi Beta Kappa

## Research Funding

- 2016–2017* Naval Postgraduate School: “Achieving Better Buying Power through Cost-Sensitive Acquisition of Open Architecture Software Systems for Diverse Acquisition Scenarios,” co-PI with Walt Scacchi.
- 2015–2016* Naval Postgraduate School: “Achieving Better Buying Power through Cost-Sensitive Acquisition of Open Architectures for Mobile and Web-Based Software Systems,” co-PI with Walt Scacchi.
- 2014–2015* Naval Postgraduate School: “Achieving Better Buying Power through Cost-Sensitive Acquisition of Open Architecture Software Systems,” co-PI with Walt Scacchi.
- 2012–2013* Naval Postgraduate School: “Streamlining the Process of Acquiring Secure Open Architecture Software Systems,” co-PI with Walt Scacchi. \$106,754.
- 2011–2012* Naval Postgraduate School: “Advances in the Acquisition of Secure Open Architecture Systems,” co-PI with Walt Scacchi. \$99,528.
- 2010–2011* Naval Postgraduate School: “Investigating Advances in the Acquisition of Secure Systems Based on Open Architecture, Open Source Software, and Software Product Lines,” co-PI with Walt Scacchi. \$99,528.
- 2009–2010* Naval Postgraduate School: “Investigating Advances in the Acquisition of Systems Based on Open Architecture and Open Source Software,” co-PI with Walt Scacchi. \$120,000.



- 2008–2009 Naval Postgraduate School: “Investigating The Acquisition of Software Systems that Rely on Open Architecture and Open Source Software,” co-PI with Walt Scacchi, \$109,997.
- 2007–2008 Naval Postgraduate School: “Investigating The Acquisition and Requirements for Software Systems that Rely on Open Architecture and Open Source Software,” co-PI with Walt Scacchi, \$106,085.
- 2006–2007 IBM Corporation: Eclipse Innovation Award “The Scenario Workbench: Semantic editing and transformation of scenarios,” \$18,000.
- 2005–2006 Unisys Corporation: “Requirement/Rules Driven Development and Testing,” \$80,000.
- 2000–2001 BellSouth Telecommunications: “Toward object-oriented rapid prototyping and code generation,” co-PI with Annie I. Antón, \$75,000.

## Invited Presentations

- 2008 Dec National Institute of Standards and Technology
- 2008 Oct Georgetown University
- 2008 Aug North Carolina State University
- 2008 Apr Fraunhofer Center, University of Maryland
- 2007 Sep Thomas J. Watson Laboratories
- 2007 Sep Avaya Laboratories
- 2007 Sep Fraunhofer Center, University of Maryland
- 2007 Aug North Carolina State University
- 2007 Apr George Mason University
- 2007 Mar Imperial College, London
- 2007 Feb City University, London
- 2007 Feb Open University, Milton Keynes, UK
- 2007 Feb University College London
- 2007 Feb University of Limerick, Ireland
- 2006 Mar University of North Carolina at Greensboro
- 2004 Feb Naval Research Laboratory, Washington, DC
- 2004 Feb Aerospace Corporation, Manhattan Beach, CA
- 2003 Mar University College London
- 2002 May University of Waterloo, Ontario, Canada
- 2002 May Carnegie Mellon University, Pittsburgh, PA
- 2002 Apr Michigan State University, East Lansing, MI
- 2002 Apr Naval Research Laboratory, Washington, DC
- 2002 Apr Wake Forest University, Winston-Salem, NC
- 2002 Apr University of California, Irvine
- 2002 Mar McMaster University, Hamilton, Ontario, Canada

## Graduate Courses Taught

- “Requirements Engineering” (Georgetown/Computer Science 542) (*Spring 2009*). Created this course.
- “Formal Specification and Modelling” (UCI/Informatics 213) (*Fall 2007, Fall 2005, Spring 2003*)
- “Scenario-based requirements engineering” (UCI/ICS 280 Special Topics) (*Spring 2004*)
- “Software analysis and testing” (UCI/Informatics 215) (*Spring 2008, Spring 2006, Fall 2003*)
- “Software Engineering” (UCI/ICS 221) (*Fall 2004*)
- “Software Engineering” (Georgetown/Computer Science 335) (*Fall 2010*)

## Undergraduate Courses Taught

- “Requirements Engineering” (UCI/Informatics 113) (*Fall 2004, Spring 2003*). Created this course.
- “Software Engineering” (UCI/Informatics 43 Core Course III) (*Spring 2007*)
- “Software Specification and Quality Engineering” (UCI/Informatics 115)  
(*Spring 2008, Spring 2007, Spring 2006, Spring 2005, Spring 2004*)
- “System Fundamentals” (Georgetown/Computer Science 351) (*Spring 2009*)
- “Mathematical Methods for Computer Science” (Georgetown/Computer Science 127) (*Summer 2009*)
- “Computer Science II” (Georgetown/Computer Science 072) (*Summer 2009*)

## Graduate Students Advised

- Mamadou Diallo (UCI, withdrew 2012, advised through 2008)
- Kristina Winbladh (UCI, Ph.D. 2010, advised through 2008)
- Lihua Xu (UCI, Ph.D. 2009, co-advised through 2008)
- Benjamin Pillet (UCI, withdrew from Ph.D. program, 2005)
- Steven Tuttle (UCI, withdrew from Ph.D. program, 2004)

## Graduate Student Committees

- Benjamin Hood (Georgetown, M.S. 2010)
- Chris Jensen (UCI, Ph.D. 2009)
- Lihua Xu (UCI, Ph.D., 2009)
- John Georgas (UCI, Ph.D. 2008)
- Girish Suryanarayana (UCI, Ph.D. 2007)
- Roger Ripley (UCI, M.S. 2004)

## Other Graduate Research Students

12 researchers for a total of 33 quarters (ICS 299 “Individual study” *Winter 2003 – Winter 2007*).

## Undergraduate Research Students

20 students for a total of 42 quarters (ICS 199 “Individual Study”) (*Winter 2003 – Winter 2008*).

2007 Chancellor’s Award for Excellence in Undergraduate Research, to Jovel Crisostomo  
2005 ICS Outstanding Contribution to Research Award, to Brian Paner  
2004 UCI Summer Undergraduate Research Program Fellowship, to James Sutandyo

## Service to the Research Community

### Organizing committees

(RE’09) International Requirements Engineering Conference: Finance Chair  
(RE’08) International Requirements Engineering Conference: Workshops Chair  
(RE’07) International Requirements Engineering Conference: Publicity Co-Chair  
(CERE’07) Comparative Evaluation in Requirements Engineering: Co-Organizer  
(ASE’05) Automated Software Engineering: Demonstrations Co-Chair

### Program committees

(ESSoS’11) International Symposium on Engineering Secure Software and Systems  
(IASTED SE 2006) International Conference on Software Engineering  
(ICSE’07) Workshops/Co-Located Events committee, International Conference on Software Engineering  
(ICSE’11) Software Engineering in Practice track, International Conference on Software Engineering  
(RE’07–’10, ’13) International Requirements Engineering Conference  
(REFSQ’03–’08) Int’l Working Conference on Requirements Engineering: Foundation for Software Quality  
(RELAW’11–’16) International Requirements Engineering Conference  
(RHAS’03) Requirements for High-Assurance Software workshop  
(RIGIM’12) Workshop on Requirements, Intentions, and Goals in Conceptual Modeling  
(SEKE’12) International Conference on Software Engineering and Knowledge Engineering  
(SREIS’05) Symposium on Requirements Engineering For Information Security  
(WER’07–’13) Workshop on Requirements Engineering

## Journal reviews

*ACM Transactions on Software Engineering Methodology* (TOSEM): 2007, 2004 (twice)  
*Empirical Software Engineering Journal*: 2012 (twice)  
*IEEE Computer*: 2003  
*IEEE Software*: 2011, 2008, 2007, 2003  
*IEEE Transactions on Software Engineering* (TSE):  
2011 (twice), 2009 (twice), 2006 (twice), 2005, 2004 (twice), 2003  
*Information and Software Technology*: 2012, 2010, 2008, 2006  
*International Journal on Software Tools for Technology Transfer* (STTT): 2003  
*Journal of Software and Systems Modeling (SoSyM)*: 2013, 2012, 2011  
*Journal of Systems and Software (JSS)*: 2010 (twice)  
*Notre Dame Journal of Formal Logic*: 2006  
*Requirements Engineering Journal* (REJ): 2008, 2005, 2004  
*Software and System Modeling* (SoSym): 2012, 2011, 2003

## Conference external reviews

(ASE'05) Automated Software Engineering  
(CHI'05) Human Factors in Computing Systems  
(FSE'04) Foundations of Software Engineering  
(SREIS'01) Symposium on Requirements Engineering for Information Security  
(ICRE'01) International Conference on Requirements Engineering

## Other service

*twice* Proposal reviewer for Fonds National de la Recherche Luxembourg  
*2008* Proposal reviewer for Army Research Office  
*2006* Session co-chair, Automated Software Engineering (ASE'06)  
*2006* Session chair, Institute for Software Research 2006 Research Forum  
*2005* Student volunteers coordinator, Automated Software Engineering (ASE'05)  
*2005* National Science Foundation panelist  
*2004* Session co-chair, Ground Systems Architecture Workshop (GSAW'04) session  
*2003* Session chair, Requirements for High Assurance Systems workshop (RHAS'03)  
*2001* Session chair, Symposium on Requirements Engineering for Information Security (SREIS'01)  
*2000–2002* Graduate student mentor to four CRA-W Distributed Mentor Project students  
*2000–2002* Editor, *RE Students Newsletter*

*2000-present* Full bibliography contributor to the Collection of Computer Science Bibliographies (CCSB)

## **Service to the University Community**

### **Campus-wide service at the University of California, Irvine**

*2003–2005* Divisional Senate Assembly  
*2003–2005* Honors Advisory Panel  
*2003–2008* Phi Beta Kappa nominating committee

### **Donald Bren School of Information and Computer Science**

*2006* ICS commencement reader  
*2005–2006* Graduate Student Recruitment and Admissions Committee  
*2005* ICS commencement platform marshal and reader  
*2002–2003* Computing and Network Committee  
*2003* Invited talk, UCI Student ACM chapter

### **Department of Informatics**

*2006* Software Phase II exam coordinator (Spring)  
*2005* Informatics Ph.D. Phase II examination development committee  
*2003* Software Phase II exam coordinator (Fall)  
*2003* Department hiring letter for new faculty member

## **Community Service and Activity**

*2011–2013* Bell tower captain, Trinity Episcopal Cathedral, Miami, FL  
*2009–2011* Bellringer, Washington National Cathedral  
*2009–2011* Precinct election official, Alexandria, VA  
*2004* Precinct election official, Irvine, CA  
*1996–2002* Precinct election official (Judge, Chief Judge, county floating Chief Judge), Raleigh, NC  
*1999–2002* Raleigh Oratorio Society, tenor section leader  
*1998–2000* Capitol Area Preservation historic preservation volunteer  
*1991–1992* Artist for community center newsletter (Centre Culturel La Coupole de La Gaude)

*October 20, 2016*