

Anita Sarma

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EDUCATION

- 2002 – 2007 Doctor of Philosophy in Computer Science
University of California, Irvine
Dissertation Title: *Palantír: Enhancing Configuration Management Workspaces to Support Distributed Software Development*
Advisor: André van der Hoek
- 2000 – 2002 Master of Science in Computer Science
University of California, Irvine
Concentration: Software Engineering
- 1994 – 1998 Master of Management Studies
Birla Institute of Technology and Sciences (BITS)
Pilani, Rajasthan, India
Concentration: Finance and Software

EXPERIENCE

- 2009 – Present Assistant Professor
University of Nebraska, Lincoln
Department of Computer Science and Engineering
- 2008 – 2009 Post Doctoral Fellow
Carnegie Mellon University, Institute for Software Research
Area: Software Engineering, Computer Supported Cooperative Work
Advisor: James Herbsleb
- 2000 – 2007 University of California, Irvine, Donald Bren School of Information and Computer Sciences
Graduate Research Assistant (2001 – 2008)
Teaching Assistant (2000 – 2001)
- Summer 2004 IBM Research Labs, Collaborative User Experience group, Cambridge, MA
Intern
- Summer 2001 University of California, Irvine
COSMOS (California State Summer School for Mathematics and Sciences)
Instructor of Record
- 1998 – 2000 IMRglobal Limited, Mumbai, India
Module Leader (February 2000 – July 2000)
Programmer and Analyst (August 1998 – February 2000)
- Jan – Jul 1998 Industrial Development Bank of India, Mumbai, India
Intern

REFEREED JOURNAL PUBLICATIONS

- J.4 A. Sarma and A. van der Hoek, Anita Sarma, David F. Redmiles, André van der Hoek: *Palantir: Early Detection of Development Conflicts Arising from Parallel Code Changes*. Transactions of Software Engineering, 2011 (forthcoming).
- J.3 A. Sarma, D.F. Redmiles, A. van der Hoek, *Categorizing the Spectrum of Coordination Technology*, IEEE Computer, June 2010, 43(6), pp. 61-67.
- J.2 B. Al-Ani, D. Redmiles, A. van der Hoek, M. Alvim, I. Almeida da Silva, N. Mangano, E. Trainer, A. Sarma, *Continuous Coordination within Software Engineering Teams: Concepts and Tool Support*, Journal of Computer Science and Engineering in Arabic: special issue on Software Engineering, 1(3), 2008, pp. 10-33.
- J.1 D. Redmiles, A. van der Hoek, B. Al-Ani, T. Hildenbrand, S. Quirk, A. Sarma, R. Silveira Silva Filho, C. de Souza, E. Trainer, *Continuous Coordination: A New Paradigm to Support Globally Distributed Software Development Projects*, In Wirtschaftsinformatik, 2007, 49 (Special Issue), pages S28-S38.

BOOK CHAPTERS

- B.1 A. Sarma, B. Al-Ani, E. Trainer, R.S. Silva Filho, I. da Silva, D. Redmiles, A. van der Hoek, *Continuous Coordination Tools and their Evaluation*, book chapter for Collaborative Software Engineering (CoSE), Editors: A. Finkelstein, J.Grundy, A. van der Hoek, I. Mistrik, and Jim Whitehead, Springer-Verlag/Computer Science Editorial, Chapter 8, 2010, pp. 153-178.

REFEREED CONFERENCE AND WORKSHOP PUBLICATIONS

- C.26 J.Wang and A. Sarma, “*How Multi-perspective Project Exploration Helps Onboarding: An Empirical Study*”, International Conference on Software Engineering, 2012 (**In Submission**)
- C.25 S. K. Kuttal, A. Sarma, and G. Rothermel, “*History Repeats Itself More Easily When You Log It: Versioning for Mashup*”, IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), September 2011, pp 69-72.
- C.24 K. T Stolee, S. Elbaum, and A. Sarma, “*End-User Programmers and their Communities: An Artifact-based Analysis*,” International Symposium on Empirical Software Engineering and Measurement (ESEM), September 2011 [**Distinguished Paper**]
- C.23 C. Jergensen, A. Sarma and P. Wagstrom, “*The Onion Patch: Migration in Open Source Ecosystems*”, Eighth joint meeting of the European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), September 2011, pp 70-80.
- C.22 S. K. Kuttal, A. Sarma, A. Swearngin and G. Rothermel, “*Versioning for Mashups – An Exploratory Study*”, International Symposium on End-User Development, June 2011, pages 25-41.
- C.21 J. C. Georgas and A. Sarma, “*STCML: an extensible XML-based language for socio-technical modeling*”, International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE '11), May 2011, 61-64

- C.20 J. Wang and A. Sarma, “*Which Bug Should I Fix: Helping New Developers Onboard A New Project*”, Fourth International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE ’11), May 2011, 76-79
- C.19 L. Dabbish, P. Wagstrom, A. Sarma, and J. Herbsleb, *Coordination in Innovative Design and Engineering: Observations from a Lunar Robotics Project*. ACM Conference on Supporting Group Work, GROUP 2010, pages 225-234.
- C.18 L. Maccherone, A.Sarma, P. Wagstrom, and J. Herbsleb, *Tesseract: Interactive Environment for Exploration of Project Relationships*, Formal Research Demonstration at International Conference on Software Engineering, May 2009, Companion Volume, pages 405 - 406.
- C.17 A.Sarma, L. Maccherone, P. Wagstrom, and J. Herbsleb, *Tesseract: Interactive Visual Exploration of Socio-Technical Relationships in Software Development*, Proceedings of the Thirty-first International Conference on Software Engineering, May 2009, pages 23-33.
- C.16 A. Sarma, D. Redmiles, , and A. van der Hoek, *Empirical Evidence of the Benefits of Workspace Awareness in Software Configuration Management*, ACM SIGSOFT International Symposium on the Foundations of Software Engineering, (FSE 16), November 2008, pages 113-123.
- C.15 B. Al-Ani, E. Trainer, R. Ripley, A. Sarma, A. van der Hoek, and David Redmiles, *Continuous Coordination within the Context of Cooperative and Human Aspects of Software Engineering*, International Workshop on Cooperative and Human Aspects of Software Engineering, May 2008, pages 1-4.
- C.14 A. Sarma, G. Bortis, and A. van der Hoek, *Towards Supporting Awareness of Indirect Conflicts across Software Configuration Management Workspaces*, Twenty second IEEE/ACM International Conference on Automated Software Engineering (ASE), November 2007, pages 94–103.
- C.13 A. Sarma, D. Redmiles, and A. van der Hoek, *A Comprehensive Evaluation of Workspace Awareness in Software Configuration Management Systems*, Short paper in IEEE Symposium on Visual Languages and Human-Centric Computing, September 2007, pages 23–26
- C.12 I. da Silva, M. Alvim, R. Ripley, A. Sarma, C. Werner, and A. van der Hoek, *Designing Software Cockpits for Coordinating Distributed Software Development*, First Workshop on Measurement-based Cockpits for Distributed Software and Systems Engineering Projects, August 2007, pages 14-18 (electronic proceedings).
- C.11 R. Ripley, A. Sarma, and A. van der Hoek, *A Visualization for Software Project Awareness and Evolution*, Fourth International Workshop on Visualizing Software for Understanding and Analysis (VISSOFT), June 2007, pages 137-144.
- C.10 B. Al-Ani, A. Sarma, G. Bortis, I. Almeida da Silva, E. Trainer, A. van der Hoek, and D. Redmiles, *Continuous Coordination (CC): A New Collaboration Paradigm*”, CSCW Workshop on Supporting the Social Side of Large Scale Software Development, November 2006, pages 69-72.
- C.9 A. Sarma and A. van der Hoek, *Towards Awareness in the Large*, Proceedings in the International Conference on Global Software Engineering, October 2006, pages 127-131.
- C.8 A. Sarma, A. van der Hoek, and L-T, Cheng, *A Need-Based Collaboration Classification Framework*, Proceedings of Eclipse as a Vehicle for CSCW Research Workshop, November 2004, pages 16–20 (also available as IBM Technical Report RC23339).
- C.7 R. Ripley, A. Sarma, and A. van der Hoek, *Workspace Awareness in Application Development*, Proceedings of Eclipse Technology eXchange Workshop, October 2004, pages 17–21.
- C.6 A. Sarma and A. van der Hoek, *A Conflict Detected Earlier is a Conflict Resolved Easier*, Proceedings of the Fourth Workshop on Open Source Software Engineering, May 2004, pages 82–86.

- C.5 A. van der Hoek, D. Redmiles, P. Dourish, A. Sarma, R. S. Filho, and C. de Souza, *Continuous Coordination: A New Paradigm for Collaborative Software Engineering Tools*, Proceedings of the Workshop on Directions in Software Engineering Environments, May 2004, pages 29–36.
- C.4 A. Sarma and A. van der Hoek, *Visualizing Parallel Workspace Activities*, Proceedings of the IASTED International Conference on Software Engineering and Applications, November 2003, pages 435–440.
- C.3 A. Sarma, Z. Noroozi, and A. van der Hoek, *Palantir: Raising Awareness among Configuration Management Workspaces*, Proceedings of the Twenty-fifth International Conference on Software Engineering, May 2003, pages 444–454.
- C.2 A. Sarma and A. van der Hoek, *Palantir: Coordinating Distributed Workspaces*, Proceedings of the Workshop on Cooperative Support for Distributed Software Engineering Processes, August 2002, pages 1093–1097.
- C.1 A. Sarma and A. van der Hoek, *Palantir: Increasing Awareness in Distributed Software Development*, Proceedings of the Second Workshop on Global Software Development, May 2002, pages 28–32.

REFEREED PUBLICATIONS WITHOUT PROCEEDINGS

- O.15 L. Dabbish, P. Wagstrom, and A. Sarma, *Cross-Team Knowledge Exchange in an Interdisciplinary Engineering Project*, Academy of Management Annual Meeting (AOM 2010), August 2010.
- O.14 L. Dabbish, J. Herbsleb, A. Sarma, and P. Wagstrom, *Supporting Coordination of Interdependent Work: A Constraint Network Representation*, Academy of Management Annual Meeting (AOM 2009), August 2009.
- O.13 L. Dabbish, J. Herbsleb, A. Sarma, and P. Wagstrom, *A Network Representation of Dependencies in Engineering*, Interdisciplinary Network of Group Researchers (InGROUP 2009), July 2009.
- O.12 A. Sarma, J. Georgas, and J.D. Herbsleb, *Architectural Congruence: Toward Exploring the Software Development Process through an Architectural Perspective*, workshop on Socio-Technical Congruence, Collocated with ICSE 2009, Vancouver, Canada. Available as a Technical Report CMU-ISR, Carnegie Mellon University, Institute for Software Research International, Pittsburgh, 2009.
- O.11 J.D. Herbsleb, L. Dabbish, P. Wagstrom, A. Sarma, *Supporting Coordination of Work*, Paper in Human Computer Interaction Consortium (HCIC), Fraser, CO, USA, February 2009.
- O.10 P. Wagstrom, L. Dabbish, A. Sarma, and J. Herbsleb, *Understanding the Collaboration Needs of a Developing Distributed Team*, Workshop on Supporting Distributed Team Work at CSCW 2008, San Diego, CA.
- O.9 J. Herbsleb, L. Dabbish, P. Wagstrom, and A. Sarma, *Theory and Analysis of Closely-Coupled Production Work*, Workshop on Supporting Distributed Team Work at CSCW 2008, San Diego, CA.
- O.8 A. Sarma, J. Herbsleb, *Exploring Interrelationships among Project Entities to Support Coordination in Distributed Teams*, workshop on Supporting Distributed Team Work at CSCW 2008, San Diego, CA. Available as a Technical Report CMU-ISR-08-138, Carnegie Mellon University, Institute for Software Research International, Pittsburgh, 2008.
- O.7 A. Sarma, J. Herbsleb, A. Mockus, M. Cataldo, *Using Distributed Constraint Satisfaction to Build a Theory of Congruence*, workshop on Socio-Technical Congruence, Collocated with ICSE 2008, Leipzig, Germany. Available as a Technical Report CMU-ISR-08-107, Carnegie Mellon University, Institute for Software Research International, Pittsburgh, 2008.

- O.6 A. Sarma and J. Herbsleb, Using Development Experience to Calculate Congruence, workshop on Socio-Technical Congruence, Collocated with ICSE 2008, Leipzig, Germany. Available as a Technical Report CMU-ISR-08-106, Carnegie Mellon University, Institute for Software Research International, Pittsburgh, 2008.
- O.5 A. Sarma, J. Herbsleb, and A. van der Hoek, Challenges in Measuring, Understanding, and Achieving Social-Technical Congruence, workshop on Socio-Technical Congruence, Collocated with ICSE 2008, Leipzig, Germany. Available as a Technical Report CMU-ISR-08-105, Carnegie Mellon University, Institute for Software Research International, Pittsburgh, 2008.
- O.4 A. Sarma, *Palantir: Coordinating Distributed Software Development through Awareness*, Invited student paper in Human Computer Interaction Consortium (HCIC), Fraser, CO, USA, January 2006.
- O.3 D. Redmiles, A. van der Hoek, A. Sarma, C. de Souza, E. Trainer, S. Quirk, and R. de Paula, *Unifying Formal and Informal Coordination through Continuous Coordination*, Paper in Human Computer Interaction Consortium (HCIC), Fraser, CO, USA, January 2006.
- O.2 A. Sarma, *Contextualized Awareness: A Lynchpin of Software Development*, CSCW Workshop on Awareness in Activity-Centric Groupware Design, Banff, Canada, November 2006.
- O.1 A. Sarma, *Configuration Management Workspace Awareness for Distributed Software Development*, Doctoral Symposium at the European Software Engineering Conference together with ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE), Helsinki, Finland, September 2003.

TECHNICAL REPORTS

- T.6 B.K. Kasi and A. Sarma, A Degree of Conflict Model for Workspace Awareness, Technical Report, TR-UNL-CSE-2011-0002, University of Nebraska, Lincoln, February 2011.
- T.5 A. Sarma, G. Bortis, and A. van der Hoek, *Cross-Workspace Impact Awareness for Early Detection of API-induced Indirect Conflicts in Configuration Management*. Technical Report, UCI-ISR-06-17, University of California, Irvine, Institute for Software Research, December 2006.
- T.4 R. Ripley, A. Sarma, and A. van der Hoek, *Using Visualizations to Analyze Workspace Activity and Discern Software Project Evolution*, Technical Report, UCI-ISR-06-1, University of California, Irvine, Institute for Software Research, January 2006.
- T.3 A. Sarma, *A Survey of Collaborative Tools in Software Development*, Technical Report, UCI-ISR-05-3, University of California, Irvine, Institute for Software Research, March 2005.
- T.2 A. Sarma and A. van der Hoek, *A Need Hierarchy for Team*, Technical Report, UCI-ISR-04-9, University of California, Irvine, Institute for Software Research, October 2004.
- T.1 A. Sarma and A. van der Hoek, *Visualizing Parallel Workspace Activities*, Technical Report, UCI-ISR-02-8, University of California, Irvine, Institute for Software Research, January 2003.

PRESENTATIONS

- P.28 May 2011, Workshop on Cooperative and Human Aspects of Software Engineering, collocated with ICSE 2011
- P.27 November 2010, University of New Mexico, NM, USA
- P.26 March 2010, *Mining Software Archives*, Ascona, Switzerland
- P.25 October 2009, *IBM TJ Watson Labs*, Hawthorne, NY, USA

- P.24 July 2009, *University of Toronto*, Toronto, Ontario, Canada
- P.23 May 2009, *University of Victoria*, Victoria, BC, Canada
- P.22 May 2009, *International Conference on Software Engineering*, Vancouver, BC, Canada
- P.21 February 2009, *North Carolina State University*, Raleigh, NC, USA
- P.20 November 2008, *Foundations of Software Engineering*, Atlanta, Georgia
- P.19 November 2008, *Workshop on Supporting Distributed Team Work*, San Diego, CA
- P.18 November 2007, *International Conference on Automated Software Engineering*, Atlanta, Georgia
- P.17 April 2007, *University of Wisconsin, Milwaukee*, WI, USA
- P.16 February 2007, *Microsoft Research*, Redmond, WA, USA
- P.15 November 2006, *Workshop on Awareness in Activity-Centric Groupware Design*, Banff, Canada
- P.14 July 2006, *University of Maryland*, Baltimore County, MD, USA
- P.13 June 2006, *Graduate Student Research Symposium*, University of California, Irvine (invited panel)
- P.12 April 2006, *Graduate School Information Panel, Women in Computer Science (WICS)*, University of California, Irvine (invited panel)
- P.11 February 2006, *Brea Olinda High School*, Brea, CA, USA
- P.10 January 2006, *University of Colorado at Boulder*, Boulder, CO, USA
- P.9 November 2004, *Workshop on Eclipse as a Vehicle for CSCW Research*, Chicago, IL, USA
- P.8 August 2004, *IBM Research Labs*, Collaborative User Experience Group, Cambridge, MA, USA
- P.7 May 2004, *Workshop on Open Source Software Engineering*, Edinburgh, UK
- P.6 March 2004, *Federal University of Rio de Janeiro*, Rio de Janeiro, Brazil
- P.5 January 2004, *Association for Configuration and Data Management*, Anaheim, CA, USA
- P.4 November 2003, *International Conference on Software Engineering and Applications*, Marina Del Rey, CA, USA
- P.3 September 2003, *Doctoral Symposium*, ESEC/FSE, Helsinki, Finland
- P.2 August 2002, *Workshop on Cooperative Supports for Distributed Software Engineering Processes*, Oxford, UK
- P.1 May 2002, *Workshop on Global Software Development*, Orlando, FL, USA

UNDERGRADUATE COURSES TAUGHT

CSCE 496	Coordination in Global Software Development
CSCE 378	Human Computer Interaction
CSCE 361	Software Engineering

GRADUATE COURSES TAUGHT

CSCE896	Coordination in GSD
CSCE990	Empirical Software Engineering

STUDENTS SUPERVISED

Thesis Committee Chair

Jianguo Wang	UNL, MS (expected 2012)
Corey Jergensen	UNL, MS (expected 2012)
Aditya Relangi	UNL, MS (expected 2012)
Josh Branchaud	UNL, MS (expected 2013)
Sandeep Kuttal	UNL, PhD (expected 2014) – co chair
Bakhtiar Khan Kasi	UNL, PhD (expected 2015)
Rafael Leano	UNL, PhD (expected 2016)

Thesis Committee

Chris Assi	UNL, MS (expected 2012)
Si Huang	UNL, MS (graduated 2010)
Katie Stolee	UNL, MS (graduated 2010)

Undergraduate Students

Corey Jergensen	UNL, graduated 2010
Josh Branchaud	UNL, UCARE graduated 2011
James Sukup	UNL, UCARE (expected 2012)
Brad Hoff	UNL (expected 2012)
Kyle Strasser	UCI, graduated 2007
Jonathan Su	UCI, graduated 2006
Steve Bonica	UCI, graduated 2005
Eric Hettwer	UCI, graduated 2005
Ksatria Williams	UCI, graduated 2004
Peggy Lin	UCI, graduated 2003
Zahra Noroozi	UCI, graduated 2002

SERVICE TO THE COMMUNITY

Program Committee member

- Student Research Competition for ICSE: 2012
- Workshop on Future of Collaborative Software Development collocated with CSCW: 2012
- Automated Software Engineering (ASE): 2011, 2012
- International Conference on Software Engineering (ICSE): 2011
- Conference on Supporting Group Work (GROUPE): 2010
- Foundations of Software Engineering, Research Demonstration track (FSE): 2010
- Conference on Mining Software Repository, collocated with ICSE (MSR): 2010
- Workshop on Knowledge Engineering in GSD, collocated with ICGSE: 2009
- Workshop on Cooperative and Human Aspects of Software Engineering (CHASE), collocated with ICSE: 2008, 2009, 2011, 2012
- Mini track on Concepts, Methods, and Tools for Collaborative IS Development at HICCS: 2009
- Workshop on Socio-Technical Congruence (STC), collocated with ICSE: 2008, 2009
- Workshop on Supporting Distributed Team Work, collocated with CSCW: 2008 (organizer)
- Workshop on Infrastructure for Research in Collaborative Software Engineering, collocated with FSE 2008
- International Conference on Global Software Engineering: 2007
- IASTED International Conference on Software Engineering and Applications (SEA): 2003

Journal Reviews

- ACM Transactions on Computer Human Interactions (TOCHI) – 2011

- ACM Transactions on Software Engineering and Methodology: 2011
- User Modeling and User-Adapted Interaction: The Journal of Personalization Research, Springer Verlag publishing: 2010
- IEEE Transactions on Software Engineering, Special issue on Socio-Technical dependency: 2009
- Software: Practice and Experience, Wiley Journal: 2009
- IEEE Software, Special Issue on Cooperative and Human Aspects of Software Engineering: 2009
- IEEE Transactions on Software Engineering: 2009, 2010
- Journal on Empirical Software Engineering: 2008, 2009, 2010
- The Computer Supported Cooperative Work Journal: 2008
- IEEE Software, special issue on Data mining: 2008
- Journal of Software Maintenance and Evolution: Research and Practice: 2008
- International Journal of Human-Computer Studies: 2007
- Journal of Zhejiang University Science A – Applied Physics and Engineering: 2007

Additional Conference Reviews

- Computer Human Interaction: 2008, 2009, 2010
- Computer Supported Cooperative Work (CSCW): 2008, 2010, 2011, 2012
- Book Chapter in Collaborative Software Engineering: 2008

NSF Reviews

- NSF IIS panel reviewer: 2011, 2012
- NSF IIS, SoCS ad hoc reviewer: 2010

Student Volunteer Chair

- Foundations of Software Engineering (FSE): 2010

Workshop organizer

- The Future of Collaborative Software Development collocated with CSCW, 2012
- International Conference on Global Software Engineering (ICGSE), 2011
- Computer-Supported Cooperative Work – VRC, 2008

Outreach

- Big Red Summer Camp on “3-D Animation and Virtual World Creation” as part of Nebraska 4H Youth Development Program – 2011
- NCWIT GEM (Girl Empowerment and Mentoring) essay contest – 2010, 2011
- MINK WIC (Minnesota, Indiana, Nebraska, Kansas Women in Computing) career fair – 2011
- COSMOS (California State Summer School for Mathematics & Science, UCI) - 2005

DEPARTMENT SERVICE

2011 – Present	Graduate Recruitment Committee
2009 – Present	Graduate CS Committee
2009 – Present	Graduate Admissions Committee
2010	Served as a panel member for a NASA funded workshop for undergraduates on Careers in Research
2010, 2011	CSE graduate recruitment day presentation on Software Engineering topics

PROFESSIONAL AFFILIATIONS

2011 – Present	End Users Shaping Effective Software (EUSES) consortium
2002 – Present	Member of Association for Computing Machinery (ACM)
2002 – Present	Association for Computing Machinery Special Interest Group on Software Engineering (ACM SIGSOFT)

2001 – Present Institute of Electrical and Electronics Engineers (IEEE)

AWARDS

2011 Distinguished paper award in ESEM 2011
2009 CRA-W scholarship to attend New Faculty Mentoring workshop
2007 UC Irvine Donald Bren School of Information and Computer Sciences Dissertation Fellowship Recipient
2006 UMBC NSF ADVANCE Scholarship to attend Faculty Horizons, a workshop for aspiring STEM (Science, Technology, Engineering, and Mathematics) faculty
2006, 2004 UCI, Ada Byron Research Center for diversity in computing and information technology, student scholarship for Grace Hopper Celebration of Women in Computing (GHC)
2003 Donald Bren School of Information and Computer Sciences Summer Scholarship for Outstanding Students, University of California, Irvine
2000 Donald Bren School of Information and Computer Sciences Fellowship, University of California, Irvine

GRANTS

2011 NSF, "HCC: Large: Collaborative Research: Large-Scale Human-Centered Coordination Systems to Support Interdependent Tasks in Context", (PI) - \$251,936; start date: 09/01/2011
2010 AFOSR (Air Force Office of Scientific Research), "Safeguarding End-User Military Software", supported as an earmark to Nebraska, (one of five co-PI) - \$3,955,290; start date: 10/01/2010
2010 NSF, "CCF: Student Volunteer Scholarship: Broadening Participation through Student Volunteers at FSE", (PI) - \$13,170; start date: 09/01/2010
2010 NSF, "SHF: Supporting Continuous Awareness and Exploration of Social and Design Dependencies", (PI) - \$166,143; start date: 08/15/2010
2010 UNL, Layman award - "Characterizing Software Conflicts in Distributed Development", (PI) - \$6,600; start date: 06/01/2010
2009 IBM JAZZ Innovation Grant (co-PI) - \$44,000
2004 IBM Eclipse Innovation Grant (significant contributor to text of proposal; award made to my supervisor A. van der Hoek)