

CONTACT INFORMATION

Department of Informatics
 Donald Bren School of Information and Computer Sciences
 University of California, Irvine
 Irvine, CA 92697-3440
 Office: (949) 824-3823

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 (2017 - present): Associate Dean for Academic Affairs
 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)
 1992 - present Institute of Electrical and Electronics Engineers (IEEE) Computer Society

REFEREED JOURNAL PUBLICATIONS

- J.26 Wang, Z., Feng, Y., Wang, Y., Jones, J., Redmiles, D. *Unveiling Elite Developers' Activities in Open Source Projects*, ACM Transactions on Software Engineering and Methodology (TOSEM), V. 29, N. 3, July 2020, pp. 16:1-16:35. DOI:<https://doi.org/10.1145/3387111>
- J.25 Chagas, B., Redmiles, D., Sieckenius de Souza, C. Signs of Appropriation: A Semiotic Account of Breakdowns with IoT Technology, *Journal on Interactive Systems*, V. 10, N. 2, December 2019, pp. 3-19, doi: 10.5753/jis.2019.550.
- J.24 Steinmacher, I., Gerosa, M., Conte, T.U., Redmiles, D.F., *Overcoming Social Barriers When Contributing to Open Source Software Projects*, Computer Supported Cooperative Work (CSCW), Volume 28, Issue 1-2, April 2019, pp. 247-290. doi: 10.1007/s10606-018-9335-z. (Publisher's online version appeared June 14, 2018)
- J.24 Trainer, E.H., Redmiles, D.F. *Bridging the Gap Between Awareness and Trust in Globally Distributed Software Teams*, *Journal of Systems and Software*, V. 144, October 2018, pp. 328-341. doi: 10.1016/j.jss.2018.06.028 (Publisher's online version appeared July 2018)
- J.22 Wang, Y., Redmiles, D. *Cheap Talk, Cooperation, and Trust in Global Software Engineering: An Evolutionary Game Theory Model with Empirical Support*, *Empirical Software Engineering*, V. 21, No. 6, December 2016, pp. 2233-2267. doi: 10.1007/s10664-015-9407-3. (Publisher's online version appeared October 15, 2015)
- J.21 Steinmacher, I., Silva, M.A.G., Gerosa, M.A., Redmiles, D.F. *A Systematic Literature Review on the Barriers Faced by Newcomers to Open Source Software Projects*, *Information and Software Technology*, V. 59, March 2015, pp.67-85. doi:10.1016/j.infsof.2014.11.001
- J.20 Al-Ani, B., Marczak, S., Redmiles, D., Prikladnicki, R. *Facilitating Contagion Trust through Tools in Global Systems Engineering Teams*, *Information and Software Technology*, V. 56, N. 3, March 2014, pp. 309-320. doi: 10.1016/j.infsof.2013.11.001
- J.19 Su, N.M., Wilensky, H.N., Redmiles, D.F. *Doing Business with Theory: Communities of Practice in Knowledge Management*, *Computer-supported Cooperative Work*, V. 21, N. 2, June 2012, pp. 111-162. doi: 10.1007/s10606-011-9139-x
- J.18 Sarma, A., Redmiles, D., van der Hoek, A. *Palantir: Early Detection of Development Conflicts Arising from Parallel Code Changes*, *IEEE Transactions on Software Engineering*, V. 38, N. 4, June 2011, pp. 889-908. doi: 10.1109/TSE.2011.64
- J.17 de Souza, C.R.B., Redmiles, D.F. *The Awareness Network, To Whom Should I Display My Actions? And, Whose Actions Should I Monitor?*, *IEEE Transactions on Software Engineering*, V. 37, N. 3, May/June 2011, pp. 325-340. doi: 10.1109/TSE.2011.19
- J.16 Sarma, A., Redmiles, D., van der Hoek, A. *Categorizing the Spectrum of Coordination Technology*, *IEEE Computer*, V. 43, No. 6, June 2010, pp. 61-67. doi: 10.1109/MC.2010.163
- J.15 de Souza, C.R.B., Redmiles, D. *On The Roles of APIs in the Coordination of Collaborative Software Development*, *Computer Supported Cooperative Work*, V. 18, Nos. 5-6, December 2009, pp. 445-475. doi: 10.1007/s10606-009-9101-3
- J.14 Al-Ani, B., Redmiles, D. *Trust in Distributed Teams: Support through Continuous Coordination*, *IEEE Software*, V. 26, N. 6 November / December 2009, pp. 35-40. doi: 10.1109/MS.2009.192

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- J.13 Al-Ani, B., Redmiles, D., van der Hoek, A., Alvim, M., da Silva, I., Mangano, N., Trainer, E., Sarma, A. *Continuous Coordination within Software Engineering Teams: Concepts and Tool Support*, Journal of Computer Science and Engineering in Arabic: Special Issue on Software Engineering, vol. 1, no 3, 2008, pp. 10-33.
- J.12 Geyer, W., Silva Filho, R. S., Brownholtz, B., Redmiles, D. F. *The Trade-Offs of Blending Synchronous and Asynchronous Communication Services to Support Contextual Collaboration*, Journal of Universal Computer Science, Special issue on Groupware: Issues and Applications with a selection of papers presented at 12th International Workshop on Groupware, V. 14, No. 1, March 2008, pp. 4-26. doi: 10.3217/jucs-014-01-0004
- J.11 Redmiles, D., van der Hoek, A., Al-Ani, B., Hildenbrand, T., 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.
- J.10 de Paula, R., Ding, X., Dourish, P., Nies, K., Pillet, B., Redmiles, D., Ren, J., Rode, J., and Silva Filho, R. *In the Eye of the Beholder: A Visualization-based Approach to Information System Security*, International Journal of Human-Computer Studies (IJHCS), Special Issue on HCI Research in Privacy and Security, v. 63, No. 1-2, July 2005, pp. 5-24. doi: 10.1016/j.ijhcs.2005.04.021
- 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. doi: 10.1023/A:1015215726353
- 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. doi: 10.1023/A:1015219918601
- 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. doi: 10.1145/504087.504088
- 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. doi: 10.1145/371578.371593
- 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. doi:
- J.4 Robbins, J., Redmiles, D. *Software Architecture Critics in the Argo Design Environment*, Knowledge-Based Systems, Vol. 11, No.1, September 1998, pp. 47-60. doi: 10.1016/S0950-5849(99)00083-X
- J.3 Robbins, J., Hilbert, D., Redmiles, D. *Extending Design Environments to Software Architecture Design*, Automated Software Engineering, Vol. 5, No. 3, July 1998, pp. 261-290. doi: 10.1023/A:1008652607643
- J.2 Fischer, G., Redmiles, D., Williams, L., Puhr, G., Aoki, A., Nakakoji, K. *Beyond Object-Oriented Technology: Where Current Approaches Fall Short*, Human Computer Interaction, Vol. 10, No. 1, 1995, pp. 79-119. doi: 10.1207/s15327051hci1001_3
- 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. doi: 10.1109/32.142873

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- C.129 Bosse, Y., Redmiles, D., Gerosa, M.A. *Connections and Influences Among Topics of Learning How to Program*, the IEEE Frontiers in Education Conference (FIE 2019, Covington, Kentucky), October 2019, pp. 1-8, doi: 10.1109/FIE43999.2019.9028393
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- C.124 Chagas, B.A., Redmiles, D.F., de Souza, C.S. *Observed Appropriation of IoT Technology: A Semiotic Account*, the XVII Brazilian Symposium on Human Factors in Computing Systems (IHC 2018, Belém, Brazil), October 2018, pp. 1-33. doi: 10.1145/3274192.3274225—Best Paper Award.
- C.123 Wang, Z., Wang, Y., Redmiles, D. *Competence-Confidence Gap: A Threat to Female Developers' Contribution on GitHub*, Software Engineering in Society Track (SEIS), the 40th International Conference on Software Engineering (ICSE 2018, Gothenburg, Sweden), May 2018, pp. 81-90. doi: 10.1145/3183428.3183437
- C.122 Wang, T., Redmiles, D. *Auditory Overview of Web Pages for Screen Reader Users*, The 30th ACM Symposium on User Interface Software and Technology (UIST 2017, Quebec City, Canada), October 2017, pp. 193-195. doi: 10.1145/3131785.3131837
- C.121 Chagas, B.A., Redmiles, D.F., de Souza, C.S. *End-User Development for the Internet of Things OR How can a (smart) light bulb be so complicated?*, The 2017 IEEE Symposium on Visual Languages and Human Centric Computing (VL/HCC 2017, Raleigh, North Carolina), October 2017, pp. 273-277. doi: 10.1109/VLHCC.2017.8103478
- C.120 Zhao, M., Wang, Y., Redmiles D. *Using Collaborative Online Drawing to Build Up Distributed Teams*, 12th IEEE International Conference on Global Software Engineering (ICGSE 2017, Buenos Aires, Argentina), May 22, 2017, pp. 61-65. doi: 10.1109/ICGSE.2017.3
- C.119 Zhao, M., Wang, Y., Redmiles D. *Using Playful Drawing to Support Affective Expressions and Sharing in Distributed Teams*, Second International Workshop on Emotion Awareness in Software Engineering (SEmotion 2017), held in conjunction with the 39th International Conference on Software Engineering (ICSE 2017, Buenos Aires, Argentina), May 21, 2017, pp. 38-41. doi: 10.1109/SEmotion.2017.3
- C.118 Wang, Y., Redmiles, D. *Exploring Trust and Cooperation Development with Agent-Based Simulation in A Pseudo Scale-free Network*, The 2016 ACM International Conference on Supporting Group Work (GROUP 2016, Sanibel Island, Florida), November 2016, pp. 121-130. doi: 10.1145/2957276.2957305

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- C.117 Wang, Y., Redmiles, D. *The Diffusion of Trust and Cooperation in Teams with Individuals' Variations on Baseline Trust*, The 19th ACM conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2016, San Francisco, CA), February 2016, pp. 303-318. doi: 10.1145/2818048.2820064
- C.116 Steffens, F., Marczak, S., Figueira Filho, F., Treude, C., Singer, L., Redmiles, D., Al-Ani, B. *Using Gamification as a Collaboration Motivator for Software Development Teams: A Preliminary Framework*, the 2015 Brazilian Collaborative Systems Symposium (SBSC 2015, Salvador, Brazil), November 2015.
- C.115 Zhao, M., Wang, Y., Redmiles, D. *Strengthening Collaborative Groups Through Art-Mediated Self-Expression*, The IEEE Symposium on Visual Languages and Human Centric Computing (VL/HCC 2015, Atlanta, Georgia), October 2015, pp. 177-181. doi: 10.1109/VLHCC.2015.7357214
- C.114 Marczak, S., Filho, F.F., Singer, L., Treude, C., Steffens, F., Redmiles, D., Al-Ani, B. *Studying Gamification as a Collaboration Motivator for Virtual Software Teams: Social Issues, Cultural Issues, and Research Methods*, Workshop on Doing CSCW Research in Latin America, held in conjunction with the 18th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2015, Vancouver, Canada), March 2015, 4 pages. Workshop papers available online at http://researcher.watson.ibm.com/researcher/view_group_subpage.php?id=5892.
- C.113 Steinmacher, I., Conte, T.U., Gerosa, M.A., Redmiles, D.F. *Social Barriers Faced by Newcomers Placing Their First Contribution in Open Source Software Projects*, The 18th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2015, Vancouver, Canada), March 2015, pp. 1379-1392. doi: 10.1145/2675133.2675215
- C.112 Marczak, S., Al-Ani, B., Redmiles, D., Prikladnicki, R. *The Interplay Among Trust, Risk, and Reliance in Global Systems Engineering Teams*, The 9th IEEE International Conference on Global Software Engineering (ICGSE 2014, Shanghai, China), August 2014, pp. 46-55. doi: 10.1109/ICGSE.2014.29.
- C.111 Steinmacher, I., Wiese, I., Conte, T., Gerosa, M.A., Redmiles, D. *The hard life of open source software project newcomers*. The 7th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2014), held in conjunction with the 36th International Conference on Software Engineering (ICSE 2014, Hyderabad, India), June 2014, p. 72-78. doi: 10.1145/2593702.2593704
- C.110 Wang, Y., Wagstrom, P., Duesterwald, E., Redmiles, D. *New Opportunities for Extracting Insights from Cloud Based IDEs*, New Ideas and Emerging Results (NIER) Track, The 36th International Conference on Software Engineering (ICSE 2014, Hyderabad, India), June 2014, pp. 408-411. doi: 10.1145/2591062.2591105 "NIER Award for Innovation and Potential Impact."
- C.109 Bjorn, P., Bardram, J., Avram, G., Bannon, L., Boden, A., Redmiles, D., de Souza, C.R.B., Wulf, W. *Global software development in a CSCW perspective*, Workshop Summary, Workshop held in conjunction with the 17th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2014, Baltimore, Maryland), Conference Companion, February 2014, pp. 301-304. doi: 10.1145/2556420.2558863
- C.108 Steinmacher, I., Gerosa, M.A., Redmiles, D. *Attracting, Onboarding, and Retaining Newcomer Developers in Open Source Software Projects*, Workshop on Global Software Development in a CSCW Perspective, held in conjunction with the 17th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2014, Baltimore, Maryland), February 2014, 4 pages, Workshop papers available online at <http://nexusd.org/events/cscw2014-workshop/position-papers/>.
- 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. doi: 10.1109/ICGSE.2013.13

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- C.106 Koehne, B., Bietz, M., Redmiles, D. *Identity Design in Virtual Worlds*, The 4th International Symposium on End-User Development (IS-EUD 2013, Copenhagen, Denmark), Springer Lecture Notes in Computer Science, V. 7897, June 2013, pp. 56-71. doi: 10.1007/978-3-642-38706-7_6
- C.105 Wang, Yi, Redmiles, D. *Understanding Cheap Talk and the Emergence of Trust in Global Software Engineering: An Evolutionary Game Theory Perspective*, The 6th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2013), held in conjunction with the 35th International Conference on Software Engineering (ICSE 2013, San Francisco, California), May 25, 2013, published in ACM SIGSOFT Software Engineering Notes, V. 38, N. 5, September 2013, pp. 149-152. doi: 10.1109/CHASE.2013.6614753
- C.104 Al-Ani, B., Bietz, M., Wang, Y., Trainer, E., Koehne, B., Marczak, S., Redmiles, D., Prikładnicki, 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. doi: 10.1145/2441776.2441840
- C.103 Marczak, S., Al-Ani, B., Redmiles, D., Prikładnicki, R. *Designing Tools to Support Trust in Distributed Software Teams*, Workshop on Trust in Virtual Teams: Theory and Tools, held in conjunction with the 16th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2013, San Antonio, Texas), Conference Companion, February 24, 2013, 4 pages, Workshop papers available online at <http://collab.di.uniba.it/trusttheorytools/>.
- C.102 Al-Ani, G., Redmiles, D., de Souza, C.R.B., Prikładnicki, R., Marczak, S., Lanubile, F., Calefato, F. *Trust in Virtual Teams: Theory and Tools*, Workshop Summary, Workshop held in conjunction with the 16th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2013, San Antonio, Texas), Conference Companion, February 24, 2013, pp. 301-306. doi: 10.1145/2441955.2442029
- C.101 Schumann, J., Shih, P., Redmiles, D., Horton, G. *Supporting Initial Trust in Distributed Idea Generation and Evaluation*, The 2012 International ACM SIGGROUP Conference on Supporting Group Work (GROUP 2012, Sanibel Island, FL), October 2012, pp. 199-208. doi: 10.1145/2389176.2389207
- C.100 Al-Ani, B., Wang, Y., Marczak, S., Trainer, E., Redmiles, D. *Distributed Developers and the Non-Use of Web 2.0 Technologies: A Proclivity Model*, The 7th International Conference on Global Software Engineering (ICGSE 2012, Porto Alegre, Brazil), August 2012, pp. 104-113. doi: 10.1109/ICGSE.2012.39
- C.99 Koehne, B., Redmiles, D. *Envisioning Distributed Usability Evaluation through a Virtual World Platform*, 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, pp. 73-75.
- C.98 Wang, Y., Trainer, E., Al-Ani, B., Redmiles, D., Marczak, S. *Attitude and Usage of Collaboration Tools in GSE: A Practitioner Oriented Theory*, 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, pp. 135-137.
- C.97 Trainer, E.H., Redmiles, D.F. *Foundations for the Design of Visualizations that Support Trust in Distributed Teams*, International Working Conference on Advanced Visual Interfaces (AVI 2012, Capri Island, Italy), May 2012, pp. 34-41.
- C.96 Al-Ani, B., Trainer, E., Redmiles, D., Simmons, E. *Trust and Surprise in Distributed Teams: Towards an Understanding of Expectations and Adaptations*, The 4th ACM International Conference on Intercultural Collaboration (ICIC 2012, Bengaluru, India), March 2012, pp. 97-106.

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- C.95 Wilensky, H., Redmiles, D. *A Blog Considered from the Perspective of Social Practice Theory*, the ACM Conference on Computer-Supported Cooperative Work (CSCW 2012, Seattle, WA), Conference Companion, February 2012, pp. 243-246.
- C.94 Al-Ani, B., Marczak, S., Trainer, E., Redmiles, D., Prikładnicki, R. *Distributed Developers' Perspectives of Web 2.0 Technologies in Supporting the Development of Trust*, 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, 3 pages, Workshop papers available online at <http://research.microsoft.com/en-us/events/futurecsd/>.
- C.93 Al-Ani, B., Wilensky, H., Redmiles, D., Simmons, E. *An Understanding of the Role of Trust in Knowledge Seeking and Acceptance Practices in Distributed Development Teams*, The 6th International Conference on Global Software Engineering (ICGSE 2011, Helsinki, Finland), August 2011, pp. 25-34.
- 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.
- C.91 Trainer, E., Al-Ani, B., Redmiles, D. *Impact of Collaborative Traces on Trustworthiness*, The 2011 International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2011), held in conjunction with the 33rd International Conference on Software Engineering (ICSE 2011, Honolulu, Hawaii), May 2011, pp. 40-47.
- C.90 Al-Ani, B., Redmiles, D. *In Strangers We Trust? Findings of an Empirical Study of Distributed Development*, IEEE International Conference on Global Software Engineering (ICGSE 2009, Limerick, Ireland), July 2009, pp. 121-130.
- C.89 Al-Ani, B., Redmiles, D. *Investigating Decision Making Processes (DMPes) in Distributed Development Teams: Findings of a Comparative Empirical Study*, International Conference on Global Software Engineering (ICGSE, Limerick, Ireland), July 2009, pp. 51-60.
- C.88 Wilensky, H., Redmiles, D., Su, N. *The Dissemination of Knowledge Management*, The 2009 International ACM SIGGROUP Conference on Supporting Group Work (GROUP 2009, Sanibel Island, FL), May 2009, pp. 199-208.
- C.87 Shih, P.C., Nguyen, D.H., Hirano, S.H., Redmiles, D.F., Hayes, G.R. *GroupMind: Supporting Idea Generation through a Collaborative Mind-mapping Tool*, The 2009 International ACM SIGGROUP Conference on Supporting Group Work (GROUP 2009, Sanibel Island, FL), May 2009, pp. 139-148.
- C.86 Al-Ani, B., Redmiles, D. *Challenges Encountered When Identifying Remote Stakeholders*, Workshop on Human-centered Computing in International Development, held in conjunction with the 2009 Conference on Human Factors in Computing Systems (CHI 2009, Boston, MA), available online at <http://www.ics.uci.edu/~nsambasi/hcc4id/>, April 2009.
- C.85 Trainer, E., Redmiles, D.F. *Towards an Infrastructure for Software Visualization Research*, First International Workshop on Infrastructure for Research in Collaborative Software Engineering (IRCoSE), held in conjunction with The 16th International Symposium on the Foundations of Software Engineering (FSE 2008, Atlanta, GA), November 2008, available online at <http://home.segal.uvic.ca/~IRCoSE-2008/>.
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- C.80 Ruegmeier, 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.
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- 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.
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- 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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- T.11 Hilbert, D., Redmiles, D. *A Survey of Computer-Aided Techniques for Extracting Usability Information from User Interface Events*, Technical Report UCI-ICS-98-12, Department of Information and Computer Science, University of California, Irvine, CA, March 1998.
- T.10 Hilbert, D., Redmiles, D. *Agents for Collecting Application Usage Data Over the Internet*, Technical Report UCI-ICS-97-41, Department of Information and Computer Science, University of California, Irvine, CA, October 1997.
- T.9 Shukla, S., Nardi, B., Redmiles, D. *Beta Blockers and Hot Potatoes: redefining Artifacts in Sociotechnical Design*, Technical Report UCI-ICS-97-45 Department of Information and Computer Science, University of California, Irvine, CA, September 1997.
- T.8 Hilbert, D., Redmiles, D. *An Approach to Large-Scale Collection of Application Usage Data Over the Internet*, Technical Report UCI-ICS-97-40 Department of Information and Computer Science, University of California, Irvine, CA, September 1997.
- T.7 Robbins, J., Medvidovic, N., Redmiles, D., Rosenblum, D. *Integrating Architecture Description Languages with a Standard Design Method*, Technical Report UCI-ICS-97-35, Department of Information and Computer Science, University of California, Irvine, CA, August 1997.

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- T.6 Kantor, M., Zimmermann, B., Redmiles, D. *From Group Memory to Group Awareness Through Use of the Knowledge Depot*, Technical Report UCI-ICS-97-20, Department of Information and Computer Science, University of California, Irvine, CA, May 1997.
- T.5 Hilbert, D., Robbins, J., Redmiles, D. *Supporting Ongoing User Involvement in Development via Expectation-Driven Event Monitoring*, Technical Report UCI-ICS-97-19, Department of Information and Computer Science, University of California, Irvine, CA, May 1997.
- T.4 Robbins, J., Hilbert, D., Redmiles, D. *Using Critics to Support Software Architects*, Technical Report UCI-ICS-97-18, Department of Information and Computer Science, University of California, Irvine, CA, April 1997.
- T.3 Rathke, C., Redmiles, D. *Multiple Representation Perspectives for Supporting Explanation in Context*, Technical Report CS-CU-645-93, Department of Computer Science, University of Colorado, Boulder, CO, March 1993.
- T.2 Redmiles, D. *From Programming Tasks to Solutions—Bridging the Gap Through the Explanation of Examples*, Ph.D. Dissertation, Technical Report CU-CS-629-92, Department of Computer Science, University of Colorado, Boulder, CO, July 1992.
- T.1 Redmiles, D. *Tutorial on Programming in LEMM and MACFOR*, Technical Report NBSIR 87-3622, Center for Applied Mathematics, National Bureau of Standards, Gaithersburg, MD, July 1987.

OTHER PUBLICATIONS

- O.6 Redmiles, D., Gerosa, M.A., Hildenbrand, T. *Message from the General and Program Chairs*, The 11th IEEE International Conference on Global Software Engineering (ICGSE 2016, Irvine, California), August 2016, pp. viii - ix, doi: 10.1109/ICGSE.2016.4
- O.5 Gerosa, M.A., Redmiles, D.F., Bjørn, P., Sarma, A. *Editorial: Thematic series on software engineering from a social network perspective*, Journal of Internet Services and Applications V. 6, No. 1, 2015, August 2015, pp. 1-5. doi: 10.1186/s13174-015-0038-0
- O.4 Dittrich, Y., Burnett, M., Mørch, A., Redmiles, D. *Preface*, Proceedings of the 4th International Symposium on End-User Development (IS-EUD 2013, Copenhagen, Denmark), Springer Lecture Notes in Computer Science, Vol. 7897, June 2013, pp. v-vi.
- O.3 Nuseibeh, B., Redmiles, D. *Introduction to Special Issue*, Automated Software Engineering, Vol. 7, No. 2, May 2000, pp. 99-100.
- O.2 Hilbert, D., Redmiles, D. *Separating the Wheat from the Chaff in Internet-Mediated User Feedback*, ACM SIGGROUP Bulletin, Vol. 20 No. 1, April 1999, pp. 35-40.
- O.1 Redmiles, D. *Lessons Learned: Software Development Process Perspective*, Report from the ARPA Workshop on Evaluation of Human Computer Interfaces (Bedford, MA), L. Hirschman, D. Cuomo (eds.), The MITRE Corporation, Bedford, MA, November 1994, pp. 9-13.

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- E.6 Gerosa, M.A., Redmiles, D.F., Bjørn, P., Sarma, A. (Eds.) *Springer Open Journal of Internet Services and Applications (JISA): Special Issue on Software Engineering from a Social Network Perspective*, <http://www.jisajournal.com/about/update/SESNP>.
- E.5 Dittrich, Y., Burnett, M., Mørch, A., Redmiles, D. (Eds.) *Proceedings of the 4th International Symposium on End-User Development (IS-EUD 2013, Copenhagen, Denmark), Springer Lecture Notes in Computer Science, Vol. 7897, June 2013.*
- E.4 Redmiles, D., Ellman, T., Zisman, A. (Eds.) *Proceedings of the 20th IEEE/ACM International Conference on Automated Software Engineering (ASE 2005, Long Beach, CA), November 2005.*
- E.3 Nardi, B., Redmiles, D. (Eds.) *Computer-supported Cooperative Work: Special Issue on Activity Theory and the Practice of Design*, Vol. 11, No. 1-2, 2002.
- E.2 Nuseibeh, B., Redmiles, D. (Eds.) *Automated Software Engineering: Special Issue of Selected Papers from the Thirteenth IEEE International Conference on Automated Software Engineering*, Vol. 7, No. 2, May 2000.
- E.1 Nuseibeh, B., Redmiles, D. (Eds.) *Proceedings of the 13th IEEE/ACM International Conference on Automated Software Engineering (ASE 1998, Honolulu, HI), October 1998.*

SOFTWARE

- S.11 Koehne, B., Redmiles, D. *INSPECT-World: a virtual world for students and software developers to enter and perform cognitive walkthroughs, one kind of usability inspection technique*, experimental software, see inspectworld.org, University of California, Irvine, June 2011-August 2014.
- S.10 Trainer, E., Redmiles, D. *Theseus: a set of visual interfaces for improving software developers' perceived trustworthiness in distributed, collaborative software development projects*, experimental software, see <http://cradl.ics.uci.edu/theseus/>, University of California, Irvine, December 2010-December 2012.
- S.9 de Paula, R., Ding, X., Dourish, P., Nies, K., Pillet, B., Redmiles, D., Ren, J., Rode, J., and Silva Filho, R., *Impromptu, a collaborative peer-to-peer file sharing application for evaluating visual interfaces for usable security*, experimental software, see <http://www.isr.uci.edu/projects/swirl/>, University of California, Irvine, 2005-2007.
- S.8 de Souza, C.R.B., Quirk, S., Trainer, E., Redmiles, D., *Ariadne, a Java-based plug-in to the Eclipse IDE that visualizes the social networks present in distributed software projects*, experimental software, see <http://awareness.ics.uci.edu/~ariadne/>, University of California, Irvine, 2004-December 2012.
- S.7 Silva Filho, R.S., Redmiles, D. *Yancees: Yet Another Configurable Extensible Event Service, an event notification server*, experimental software, see <http://awareness.ics.uci.edu/~rsilvafi/yancees/>, University of California, Irvine, 2002-2009.
- S.6 Kantor, M., Silva Filho, R.S., Redmiles, D. *CASSIUS: Cross Application Subscription Service Information Update Server, an event notification server*, experimental software, see <http://www.isr.uci.edu/projects/cassius/>, University of California, Irvine, 2001.
- S.5 Robbins, J., Redmiles, D. *Argo/UML: a design environment for UML (object-oriented) specification*, an on-going open source project, see www.argouml.com, University of California, Irvine, 1999-present.

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- S.4 Hilbert, D., Redmiles, D. *Expectation-Driven Event Monitoring (EDEM), a usage / usability monitoring package for Java applications*, experimental software, see www.ics.uci.edu/~dhillbert/edem/, University of California, Irvine, 1999.
- S.3 Kantor, M., Redmiles, D., Zimmerman, B. *Knowledge Depot, an email-based group memory and group awareness tool*, experimental software, see www.ics.uci.edu/~mkantor/flier/flier.html, University of California, Irvine and Bell Atlantic (formerly NYNEX Corporation), 1999.
- S.2 Redmiles, D. *Explainer, an example-based explanation system for code reuse*, experimental software, see www.ics.uci.edu/~redmiles/explainer.html, University of Colorado, Boulder, 1992.
- S.1 Redmiles, D. *Fhaze, a graphical editor and file repository for alloy phase diagrams*, production software, National Institute of Standards and Technology (formerly National Bureau of Standards), 1985.

RESEARCH FUNDING

- G.24 *Inspiration Award: Exploring the Unexplored in Social Software Development Platforms* (PI's D. Redmiles, I. Ahmed), funded by the Donald Bren School of Information and Computer Sciences, with a budget of \$10,000, April 2020.
- G.23 *Inspiration Award: Exploring the Unexplored in Social Software Development Platforms* (PI's D. Redmiles, I. Ahmed), funded by the Donald Bren School of Information and Computer Sciences, with a budget of \$10,000, March 2019.
- G.22 *HCC-Large: Collaborative Research: Large-Scale Human-Centered Coordination Systems to Support Interdependent Tasks in Context* (PI's J. Herbsleb, A. van der Hoek, L. Argote, L. Dabbish, D. Redmiles, A. Sarma), funded by the National Science Foundation (NSF), Grant #1111446, with a budget of \$475,542, September 2011 – August 2014.
- G.21 *VOSS: Enabling Trust in Virtual Teams for Increased Innovation and Effectiveness* (PI D. Redmiles), funded by the National Science Foundation (NSF), Grant #0943262, with a budget of \$399,829, September 2009 – August 2012.
- G.20 *Towards a Socio-technical Dependency Visualization Infrastructure for Jazz* (PI D. Redmiles), funded by the IBM JAZZ Innovation Award program, with a budget of \$20,000, November 2008.
- G.19 *HCC-Large: Decentralized Virtual Activities and Technologies: A Socio-Technical Approach* (PI's W. Scacchi, B. Nardi, C. Lopes, G. Mark, R. Taylor), funded by the National Science Foundation (NSF), Grant #0808783, with a budget of \$2,997,936, September 2008 – August 2011 (extended to August 2012).
- G.18 *An Accenture–UC Irvine Research Partnership in Coordination Technology* (PI's A. van der Hoek, W. Scacchi, D. Redmiles, B. Al-Ani), funded by Accenture, with a budget of \$50,000, March 2008 – February 2009.
- G.17 *Graduate Fellowships in Informatics* (PI: D. Redmiles, with the Department of Informatics Faculty), funded by the US Department of Education, Graduate Assistance in Areas of National Need (GAANN) Program, with a budget of \$480,000, August 2007 – August 2010.
- G.16 *Investigating Advanced Concepts, Techniques, and Tools for Visualizing Socio-Technical Interaction Networks* (PI's W. Scacchi, A. van der Hoek, D. Redmiles, B. Al-Ani), funded by Intel, with a budget of \$44,600, June 2007 – May 2008.

RESEARCH FUNDING (CONTINUED)

- G.15 *A Hitachi–UC Irvine Partnership in Display and Interaction Intensive Visualizations for Software Engineering Research, Practice, and Education* (PI's A. van der Hoek, D. Redmiles, W. Scacchi, B. Al-Ani), funded by Hitachi, with a budget of \$8,500, June 2007 – May 2008.
- G.14 *HP Teaching for Technology Grant Initiative – Learning How to Design Software as Software Should Be Designed: A Studio-like, Collaborative Approach to Software Design Education* (PI's A. van der Hoek, D. Redmiles, D. Kay, D. Gallow), funded by Hewlett-Packard, with a budget of \$68,000, April 2007 – March 2008.
- G.13 *Acquisition of an Interactive Whiteboard to Jumpstart Research in High-Tech Software Engineering* (PI's: A. van der Hoek, D. Redmiles, F. Kuester), funded by the UC Irvine Donald Bren School of Information and Computer Sciences (CRISA), with a budget of \$19,500, June 2006.
- G.12 *Unifying Formal and Informal Collaboration through Continuous Coordination* (PI's: D. Redmiles, A. van der Hoek), funded by the National Science Foundation (NSF), with a budget of \$681,402, October 2005 – September 2008 (extended to October 2009).
- G.11 *Improving Software Development Coordination and Expertise Identification using Ariadne* (PI: D. Redmiles), funded by IBM Eclipse Innovation Grant, with a budget of \$27,000, May 2005.
- G.10 *Trustable Technology: Balancing Privacy and Accessibility in Mobile, Ad Hoc Networks* (PI's: P. Dourish, D. Redmiles), funded by Intel Corporation, with a budget of \$279,939, January 2004 – December 2006.
- G.9 *ITR: Usable Security: Towards a Trustable Information Infrastructure* (PI's: P. Dourish, D. Redmiles), ITR-0326105, funded by the National Science Foundation (NSF) ITR Program, with a budget of \$600,000, September 2003 – September 2007.
- 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.112 *Human Aspects of Software Engineering*, the Second Annual Southern California Software Engineering Symposium (SuCSES 2020, Irvine, California), sponsored by the Institute for Software Research, January 24, 2020.
- P.111 *A Range of Methods in CSCW and HCI: examples from research in software engineering*, invited keynote tutorial, presented at the First International Summer School in Research Methods for HCI / CSCW (Rio de Janeiro, Brazil), sponsored by ACM SIGCHI, March 25, 2019.
- P.110 *The Co-Evolution of Trust and Coordination in Global Software Development Teams-An Extensible Evolutionary Game Theory Model*, paper presentation at the 52nd Hawaii International Conference on System Sciences (HICSS-52, Wailea, Hawaii), January 10, 2019.
- P.109 *Collaborative and Distributed Software Engineering: the Informal together with the Formal*, invited presentation at the B. Thomas Golisano College of Computing & Information Sciences, Rochester Institute of Technology, November 2, 2018.
- P.108 *Revisiting Expertise*, presentation at the Institute for Software Research (ISR) Annual Research Forum (Irvine, CA), June 8, 2018.
- P.107 *Using Collaborative Online Drawing to Build Up Distributed Teams*, paper presentation at the 12th IEEE International Conference on Global Software Engineering (ICGSE 2017, Buenos Aires, Argentina), May 22, 2017.
- P.106 *How I have come to love the informal aspects of collaborative software engineering!*, invited keynote for the Second International Workshop on Emotion Awareness in Software Engineering (SEmotion 2017), held in conjunction with the 39th International Conference on Software Engineering (ICSE 2017, Buenos Aires, Argentina), May 21, 2017.
- P.105 *Using Playful Drawing to Support Affective Expressions and Sharing in Distributed Teams*, paper presentation at the Second International Workshop on Emotion Awareness in Software Engineering (SEmotion 2017), held in conjunction with the 39th International Conference on Software Engineering (ICSE 2017, Buenos Aires, Argentina), May 21, 2017.
- P.104 *Collaborative and Distributed Software Engineering: trust and cooperation*, invited panel presentation for the panel, *Infrastructuring Publics*, at the First Annual Conference on Infrastructures of Publics — Publics of Infrastructures, (Siegen, Germany), December 9, 2016.
- P.103 *Collaborative and Distributed Software Engineering: the Informal together with the Formal*, invited talk at the University of Siegen (Siegen, Germany), December 6, 2016.

PRESENTATIONS (CONTINUED)

- P.102 *Global Software Engineering: Industry and Research*, presentation at the Institute for Software Research (ISR) Annual Research Forum (Irvine, CA), May 27, 2016.
- P.101 *Trust in Global Software Engineering*, invited talk at ETH Zurich, aka Eidgenössische Technische Hochschule (Zurich, Switzerland), December 17, 2014.
- P.100 *Awareness and Trust in Global Software Development*, invited talk at the Delft University of Technology (TU Delft) for the Delft Global SW Engineering Day 2014 (Delft, The Netherlands), June 16, 2014.
- P.99 *A Closer Look at Trust in Global Software Engineering*, invited talk at the Department of Computer Science & Engineering, Texas A&M University (College Station, Texas), May 5, 2014.
- P.98 *Two Research Projects in Collaboration: Trust in Global Software Engineering and Team Learning in Usability Inspections*, invited talk at the Department of Computer and Information Science, University of Oregon (Eugene, Oregon), March 6, 2014.
- P.97 *Design in Global Software Development*, invited talk at the Workshop on Global Software Development in a CSCW Perspective, held in conjunction with the 17th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2014, Baltimore, Maryland), February 16, 2014.
- P.96 *Two Research Projects in Collaboration: Trust in Global Software Engineering and Team Learning in Usability Inspections*, invited talk at the Department of Computer Science & Engineering, Texas A&M University (College Station, Texas), February 3, 2014.
- 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 Collaborative Systems Symposium (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.

PRESENTATIONS (CONTINUED)

- 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.
- 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.

PRESENTATIONS (CONTINUED)

- 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.
- 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.

PRESENTATIONS (CONTINUED)

- 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.
- P.48 *Human-Centered Software Development*, Institut für Hygiene und Arbeitsphysiologie, Eidgenössische Technische Hochschule (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.

PRESENTATIONS (CONTINUED)

- 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.
- 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.

PRESENTATIONS (CONTINUED)

- 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.
- 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.

PRESENTATIONS (CONCLUDED)

- 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

ICS 125 Project in System Design
 IN4MATX 44 Seminar in Informatics Research Topics
 IN4MATX 111 Software Methods and Tools
 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 232 Research in Human-Computer Interaction
 IN4MATX 233 Intelligent 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 295 Special Topics – Human Aspects of Software Engineering.
 IN4MATX 290 Research Seminar
 IN4MATX 291S Literature Survey in Software Engineering
 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)***

Tao Wang	Spring 2018, SAP, Newport Beach
Mengyao Zhao	Spring 2018, User Experience Researcher, WhatsApp Inc, San Francisco
“Oliver” Yi Wang	Spring 2015, Assistant Professor, Rochester Institute of Technology
Benjamin Koehne	Summer 2014, User Experience Researcher, Google in New York City
Erik Trainer	Fall 2012, User Experience Researcher, Fidelity Investments
Hiroko Wilensky	Winter 2011, Engineer and Researcher, Boeing
Wiwat Ruengmee	Fall 2010, Major, Royal Thai Army
Roberto Silveira Silva Filho	Summer 2009, Lead Collaboration Researcher, GE Global Research
Cleidson Ronald Botelho de Souza	Spring 2005, Associate Professor in the Faculty of Computing at the Federal University of Pará (UFPA)
Michael Kantor	Winter 2001, Senior Engineer, Layer
Jason Robbins	Summer 1999, Software Engineer, Google
David Hilbert	Spring 1999, Senior Research Scientist, Marketing and Business Development, FX Palo Alto Laboratory

Dissertation Committee Co-Chair (Co-Principal PhD Advisor, University of California, Irvine)

Patrick Shih	Fall 2011, Assistant Professor, Indiana University
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Dissertation Committee Chair (Principal PhD Advisor, in progress, University of California, Irvine)

Yang Yue PhD expected Spring 2023
 Zhendong Wang PhD expected Spring 2022

Dissertation Committee Co-Chair (Co-Principal PhD Advisor, in progress, outside of University of California, Irvine)

Bruno Azevedo Chagas PhD expected Winter 2019, Pontificia Universidade Católica
 do Rio de Janeiro (PUC-RIO), Brazil

Dissertation Committee Member (University of California, Irvine)

Howard Wong Fall 2017, Software Engineer, Google
 Scott Hendrickson Winter 2011, Software Engineer, Google
 Sushil K Bajracharya Summer 2010, Senior Software Engineer, Black Duck Software
 Sukanya Ratanotayanon Spring 2010, Assistant Professor, Thammasat University, Bangkok
 Art Hitomi Spring 2010, Chief Technology Officer and Co-founder, Numecent
 Jose Romero-Mariona Spring 2010, Research Scientist, Space and Naval Warfare Systems Command
 Norman Su Fall 2009, Assistant Professor, Indiana University
 Steve Abrams Summer 2009, Postdoctoral Researcher, University of California, Irvine (deceased)
 Eric M. Dashofy Spring 2007, The Aerospace Corporation
 Anita Sarma Spring 2007, Associate Professor, Oregon State University
 Girish Suryanarayana Spring 2007, Senior Member Technical Staff, Siemens
 Jie Ren Winter 2006, Software Engineer, Google
 Emily Navarro Fall 2006, Lecturer, University of California, Irvine
 Marcio Dias Fall 2004, Lecturer, University of Durham
 Danyel Fisher Summer 2004, Researcher, Microsoft Research
 Chris Lüer Summer 2004, Software Developer Engineer, Amazon.com
 Madhu Reddy Summer 2003, Professor, Northwestern University
 Marlon Vieira Fall 2002, Director of Product Engineering, Siemens Building Technologies - Fire Safety
 Clark Turner Summer 1999, Professor, Cal Poly, San Luis Obispo

Dissertation Committee Member (University of California, Irvine – concluded)

Arthur Reyes Summer 1999, Assistant Professor, UT, Austin (deceased)
 Juei Chang Winter 1999, Software Engineer, Pixar Animation Studios
 Neno Medvidovic Fall 1998, Professor, University of Southern California
 Gregory Alan Bolcer Fall 1998, CTO, Bitvore Corporation
 Nancy Eickelmann Spring 1997, IT Manager, United States Patent and Trademark Office (USPTO)
 Hadar Ziv Spring 1997, Lecturer, University of California, Irvine
 T. Owen O'Malley Fall 1996, Founder and Senior Architect, HortonWorks
 Holly Hildreth Spring 1996, Consultant on Software Safety and Systems Engineering

Dissertation Committee Member (outside of the University of California, Irvine)

Hans-Christian Estler 2014, Eidgenössische Technische Hochschule (ETH Zurich),
 Postdoctoral Researcher, ETH Zurich
 Ben van Gameren 2014, Delft University of Technology (TU Delft), Member Technical Staff, iHomer
 Yu-Cheng Tu 2014, University of Auckland, Professional Teaching Fellow, University of Auckland
 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

Masters Students (Principal Advisor, University of California, Irvine)

Zhendong Wang Summer 2018, PhD Student, University of California, Irvine (UCI)
 Shibani Konchady Spring 2016, Software Development Engineer, Amazon Video
 Sanket Khanwalkar Spring 2016, Computer Scientist, Adobe
 Jungmin Shin Fall 2008, Software Engineer, IDO America

Tom Herring	Spring 2005, Manager, Southern California Edison, Retired
Stephen Quirk	Spring 2007, Senior Software UI Engineer, MapYourProperty
Santhoshi Dumpala Basaveswara	Spring 2002 (current position unknown)
Bharti Jhi	Spring 2000 (current position unknown)
Jaya Vaidyanathan	Spring 1999, Research Information Systems Manager, University of North Texas
Anthony Kutscher	Spring 1997 (current position unknown)
Shilpa Shukla	Spring 1997 (current position unknown)

Masters Students (Committee Member, University of California, Irvine)

Aditya KJ Nair	Winter 2020, Software Engineer, Amazon
Nathan Major	Spring 2015, UX/UI Designer, Frontline Education
Timothy Young	Winter 2014, Program Designer, Connected Camps
Paul DiGioia	Spring 2007, CSM, User Experience, Nutanix
Jon Froelich	Spring 2004, Assistant Professor, University of Maryland
Ryan Yasui	Spring 2004, Staff Quality Engineer, Intuit
Roshan Vijayshankar	Spring 2000, Mobile Application Architect, NXP Semiconductors

Masters Students (Committee Member, outside of the University of California, Irvine)

Michael Caldera	Spring 2013, University of Brescia, Italy, Software Engineer, Everlution Software
Jana Schumann	Fall 2011, Otto-von-Guericke-Universität Magdeburg, Freelance Software Developer
Mehran Majidi	Spring 1991, University of Colorado, Boulder, Software Engineer Consultant, MyCardio LLC

POSTDOCTORAL SCHOLARS SUPERVISED

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

VISITING STUDENTS HOSTED (affiliations at time of visit)

Yorah Bosse	September 11, 2017 – August 24, 2018, University of São Paulo, Brazil
Bruno Azevedo Chagas	December 1, 2016 - November 30, 2017, Pontifícia Universidade Católica do Rio de Janeiro (PUC-RIO), Brazil
Fábio Freire Júnior	January 16, 2016 - January 16, 2017, Universidade Federal do Rio Grande do Norte (UFRN), Brazil
Michael Caldera	September 15, 2012 - February 15, 2013, University of Brescia, Italy
Jana Schumann	March 2011 - September 2011, Otto-von-Guericke-Universität Magdeburg, Germany
Tobias Hildenbrand	August - November 2006, Universitaet Mannheim, Germany
Mikkel Brun	September 1994 - June 1995, Københavns Universitet, Denmark

VISITING SCHOLARS HOSTED (affiliations at time of visit)

Volkmar Pipek	May 5 - October 15, 2017, University of Siegen, Germany
Marco Aurélio Gerosa	July 14, 2013 - July 14, 2014, University of São Paulo, Brazil
Igor Fabio Steinmacher	July 16, 2013 - January 16, 2014, Federal University of Technology - Paraná, Brazil
Igor Scaliante Wiese	July 16, 2013 - January 16, 2014, Federal University of Technology - Paraná, Brazil
Thorsten Hampel	January 2007, Universitaet Paderborn, Germany
John Hosking	November 2006, University of Auckland, New Zealand
Christian Rathke	April-August 2006, Hochschule der Medien, Germany

**SERVICE TO THE RESEARCH COMMUNITY
(CONFERENCE COMMITTEES & REVIEWING)**

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

2018 Steering Committee Member
 2017 Program Committee Member and Steering Committee Member
 2016 Steering Committee Member
 2015 Steering Committee Member
 2014 Steering Committee Member
 2013 Program Co-Chair and Steering Committee Member
 2011 Program Committee Member

IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)

2015 Program Committee Member
 2014 Program Committee Member
 2009 Program Committee Member
 2008 Program Committee Member

IEEE International Conference on Global Software Engineering (ICGSE)

2018 Program Committee Member and Steering Committee Member
 2017 Program Committee Member and Steering Committee Member
 2016 Conference Chair and Steering Committee Member
 2015 Program Committee Member

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

2015 Workshop Organizer (see next subsection)
 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

Symposium On Usable Privacy and Security (SOUPS)

2008 Program Committee Member
 2007 Program Committee Member

ACM Conference on Computer-Supported Cooperative Work (CSCW)

2016 Reviewer
 2015 Program Committee Member
 2010 Reviewer
 2006 Reviewer
 2002 Reviewer

**SERVICE TO THE RESEARCH COMMUNITY
(CONFERENCE COMMITTEES & REVIEWING – CONCLUDED)**

European Conference on Computer-Supported Cooperative Work (ECSCW)

2019 Program Committee Member

2018 Program Committee Member

International Workshop on Emotion Awareness in Software Engineering (SEmotion)

2018 Program Committee Member

2017 Program Committee Member

California Software Symposium (CSS)

1998 Conference Co-Chair

1995-1997 Program Committee Member

Program Committee Member for the 2019 International Conference on Software Engineering (ICSE), New Ideas and Emerging Results (NIER) Track.

Program Committee Member for the 2017 ACM International Conference on Supporting Group Work (GROUP 2017)

Program Committee Member for the Student Research Competition held in conjunction with the 10th Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE 2015 – SRC).

Program Committee Member for the International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2011, CHASE 2013).

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

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

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).

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, 2008, 2009, 2015, 2016)

Eclipse Technology Exchange Workshop at OOPSLA 2006 (ETX 2006)

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, 2014)

International Conference on Software Engineering (ICSE 1997)

International Conference on Application and Theory of Petri Nets (1993)

**SERVICE TO THE RESEARCH COMMUNITY
(CONFERENCE WORKSHOPS & PANELS ORGANIZED)**

Organizer of a Workshop with Leonardo Murta, Sabrina Marczak, John Penix, and Andrew Begel, Software Support for Collaborative and Global Software Engineering, to be held in conjunction with the 30th IEEE/ACM International Conference on Automated Software Engineering (ASE 2015, Lincoln, Nebraska), November 2015.

Co-Organizer of a Workshop with P. Bjorn, J. Bardram, G. Avram, L. Bannon, A. Boden, C.R.B. de Souza, and V. Wulf, *Global software development in a CSCW perspective*, held in conjunction with the 17th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2014, Baltimore, Maryland) February 2014.

Co-Organizer of a Panel with Y. Dittrich, Bridging Technology & Collaboration, held at the 4th International Symposium on End-User Development (IS-EUD 2013, Copenhagen, Denmark), June 2013.

Co-Organizer of a Workshop with S. Marczak, B. Al-Ani, and R. Prikladnicki, *Designing Tools to Support Trust in Distributed Software Teams*, held in conjunction with the 16th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2013, San Antonio, Texas), February 2013.

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.

**SERVICE TO THE RESEARCH COMMUNITY
(JOURNAL SPECIAL ISSUES EDITED)**

Joint guest editor with M. Gerosa, P. Bjorn, and A. Sarma for the Springer Open Journal of Internet Services and Applications (JISA), Thematic Series on Software Engineering from a Social Network Perspective, V. 6, No. 1, 2015, August 2015.

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.

**SERVICE TO THE RESEARCH COMMUNITY
(AD HOC REVIEWING FOR JOURNALS AND BOOKS)**

Reviewer for Journals

- ACM Transactions on Social Computing
- 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

**SERVICE TO THE RESEARCH COMMUNITY
(AD HOC REVIEWING FOR JOURNALS AND BOOKS – CONCLUDED)**

Reviewer for Journals (concluded)

IEEE Computer Graphics and Applications
IEEE Software
Journal of Interactive Media in Education
Journal of Systems and Software
Journal of Visual Languages and Computing

Reviewer for Books

Morgan Kaufman
Morgan & Claypool Series on Human-Centered Informatics

**SERVICE TO THE RESEARCH COMMUNITY
(PANELS AND AD HOC REVIEWING OF PROPOSALS)**

Panelist for Proposals

National Science Foundation

Reviewer for Proposals:

National Science Foundation
Swiss National Science Foundation
University of California MICRO
University of California DISCOVERY

**SERVICE TO THE COMMUNITY
(WORKSHOPS, PANELS, AND MEETINGS ORGANIZED)**

Institute for Software Research (formerly, Irvine Research Unit on Software, member since July 1994)

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

**SERVICE TO THE COMMUNITY
(WORKSHOPS, PANELS, AND MEETINGS ORGANIZED – CONCLUDED)**

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

(NOTE: Sabbatical in AY 2002-2003, Department Chair 2004-2011, Sabbatical AY 2011-2012 Associate Dean beginning in AY 2016-2017)

System-wide Service for the University of California

The University Committee on Academic Personnel (UCAP – Member AY 2014-2015)

Campus-wide Service at the University of California, Irvine

The Ad hoc Committee to Review CAP Procedures (AY 2016-2017)

Council on Academic Personnel (CAP – 3-year term beginning September 2013, Member AY 2013-2014, Vice-Chair AY 2014-2015, Chair AY 2015-2016)

Senate Cabinet (CAP representative AY 2015-2016)

MyData Advisory Committee (member AY 2013-2014, AY 2014-2015)

Faculty Board for Undecided/Undeclared Freshmen (member 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 (AY 1997-1998)

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

Associate Dean for Academic Affairs (February 2017 - present)

Distinguished Professor Committee (chair, AY 2017-2018, AY 2018-2019)

Honors and Awards Committee (chair, AY 2017-2018, AY 2018-2019)

Ubiquitous Computing Search Committee (chair, AY 2001-2002)

“Mini-CEP” ad hoc Committee between ECE and ICS (member, AY 2001-2002)

Faculty Mentor for André van der Hoek (AY 2001-2002, AY 2002-2003)

Faculty Mentor for Susan 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)

Departmental Service in the Department of Informatics, University of California, Irvine*(NOTE: Department formed in 2003)*

Faculty Co-Mentor for Aaron Trammell (since AY 2016-2017)

Development Committee (member AY 2014-2015, AY 2015-2016)

Nominations Committee (member AY 2014-2015, AY 2015-2016, chair AY 2016-2017)

Software Engineering Search Committee – 2 positions (member AY 2014-2015)

Graduate Admissions Committee (member AY 2013-2014)

Software Engineering Degree Steering Committee (member since 2013)

Informatics Major Advisory Committee (member AY 2012-2013)

Chair's Advisory Committee (member AY 2012-2013, AY 2015-2016, AY 2016-2017, AY 2017-2018)

Department Chair (member July 2004-June 2011)

HONORS

- 2014 NIER Award for Innovation and Potential Impact
- 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