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RESEARCH KEYWORDS

Software development, innovation, agile, open source, remix culture

ACADEMIC APPOINTMENT

9/2003- Present	Assistant Professor Department of Informatics, Donald Bren School of Information and Computer Sciences, University of California, Irvine
9/2003- Present	Member, Institute for Software Research, University of California, Irvine
09/2010- Present	Member, Critical Theory Institute, University of California, Irvine
09/2010- Present	Member, Center for Organizational Research, University of California, Irvine

EDUCATION

2003	Ph.D. Computer Science University of Toronto, Toronto, Canada Thesis: A Theory of Benchmarking with Applications in Software Reverse Engineering Supervisors: Steve Easterbrook and Richard C. Holt (University of Waterloo)
1998	M.Sc. Computer Science University of Toronto, Toronto, Canada Thesis: Supporting Multiple Program Comprehension Strategies During Software Maintenance Supervisors: Richard C. Holt and Charles L.A. Clarke
1996	Honours B.Sc., Specialist in Psychology, Major in Computer Science, Minor in Canadian Studies University of Toronto, Toronto, Canada Graduated with Distinction Thesis: The Effect of Auditory Localization Patterns on Learning Visual and Tactile Letters Supervisors: Ian Spence and Marilyn Mantei

GRANTS AND AWARDS

External Competitions

Principal Investigator(s)	Amount and Period	Source	Title
Sim	$270 000 2004-2007	NSF	CCF-0430026: Better Science Through Benchmarking: Theory Validation and Application to Software Engineering"

Sim	$20 000 (direct) 2004	IBM	Eclipse Innovation Award "MRS.G: Mediating Repository Service for GXL"
Sim	$20 000 (direct) 2005	IBM	IBM Innovation Award "Teaching Advanced Software Engineering Using Eclipse"
Sim	$15 000 (direct) 2007	Microsoft Research	Unrestricted gift
Sim	$12 000 (direct) 2007	Agile Alliance	User Stories in Theory and Practice
Sim	$498 367 2009-2014	NSF	Award No. IIS-0846034 CAREER: Program Comprehension in Internet-Scale Code Search for Open Source Reuse in Opportunistic Software Development
Sim and Cohn	$13 000 2010-2011	NSF	Award No. 1028715 STS: Doctoral Dissertation Research: Designing Software Orders: Patterns of Governmentality and Authority in Software Practice and Discourse

Internal Competitions

Sim and Nardi	$15 000 2004	Newkirk Center for Science and Society	Eco-informatics to Support Hard Choices About Climate Change
Sim	$2 500 2004	DBSICS Smith Family Foundation Seed Funding	Novice vs. Expert Software Engineers
Sim	$3 000 2004	DBSICS CORCL	Travel Funds to ICSE2004
Sim and Lopes	$12 000 2005	DBSICS CRIA	What would you do with a billion lines of code?: An Empirical Study of Internet-Scale Source Code Searching and Reuse
Sim	$3 000 2005	DBSICS CORCL	Empirical Studies of Software Engineering Expertise
Nardi, Tomlinson, and Sim	$5 000 2005	DBSICS Smith Family Foundation Seed Funding	Ecoinformatics
Sim	$3 000 2007	DBSICS CORCL	Schema-Based Data Interoperability
Sim and Philip	$15 000 2007	UCI CORCL Multi-Investigator	Where in the World is Radical Software Design? Finding Sub-Cultures of Innovation
Sim	$1 200 2008	UCI	Faculty Desktop Computing Initiative
Sim	$3 000 2008	DBSICS CORCL	Travel Funds to ICSE2008

BOOK CHAPTER

BO.1   Timothy C. Lethbridge, Susan Elliott Sim, and Janice Singer, "Chapter 1: Software Engineering Data Collection for Field Studies," in *Guide to Advanced Empirical Software Engineering*, pp.9-33, edited by Forrest Shull, Janice Singer, and Dag I.K. Sjøberg, Springer Verlag, 2007.

Contribution: Equal contributor

REFEREED JOURNAL PUBLICATIONS

J.8   Rosalva Gallardo-Valencia and Susan Elliott Sim, "A Survey of Tools for Seeking Source Code on the Web," *ACM Computing Surveys*, in submission.

Contribution: Co-author was a student working under my supervision

J.7   Lihua Xu, Hadar Ziv, Susan Elliott Sim, and Debra Richardson, "MODASA – Multiple Objective Decision Analysis applied to Software Architectures," *Journal of Systems and Software*, in submission.

Contribution: Secondary author

J.6   Susan Elliott Sim and Thomas A. Alspaugh, "Getting the Whole Story: An Experience Report on Analyzing Data Elicited Using the War Stories Procedure" *Empirical Software Engineering: An International Journal*, accepted with revisions.

Contribution: Primary author

J.5   Susan Elliott Sim, Medha Umarji, Sukanya Ratanotayanon, and Cristina V. Lopes, "How Well do Internet Code Search Engines Support Open Source Reuse Strategies?" *ACM Transactions on Software Engineering and Methodology*, in press.

Contribution: Primary co-author; second and third authors were students working under my supervision

J.4   Donald J. Patterson, Susan Elliott Sim, and Tosin Aiyelokun, "Overcoming Blind Spots in Interaction Design: Lessons from Designing for African AIDS Orphan Care Communities, " *Information Technologies and International Development*, Vol. 5, No. 4, December 2009.

Contribution: Secondary author

J.3   Marisa Leavitt Cohn, Susan Elliott Sim, and Charlotte P. Lee, "What Counts as Software Process? Negotiating the Boundary of Software Work through Artifacts and Conversation," *Computer Supported Cooperative Work: The Journal of Collaborative Computing*, Vol. 18, No. 5-6, December, 2009.

Contribution: Secondary author, first author was student working under my supervision

J.2   Richard C. Holt, Andy Schürr, Susan Elliott Sim, and Andreas Winter, "GXL: A Graph-Based Standard Exchange Format for Reengineering," *Science of Computer Programming*, Vol. 60, No. 2, pp. 149-170, April, 2006.

Contribution: Primary co-author

J.1   Timothy C. Lethbridge, Susan Elliott Sim, and Janice Singer, "Studying Software Engineers: Data Collection Techniques for Software Field Studies," *Empirical Software Engineering: An International Journal*, Vol. 10, No. 3, pp. 311 - 341, July, 2005.

Contribution: Equal contributor

OTHER JOURNAL ARTICLES

JO.7	Sukanya Ratanotayanon, and Susan Elliott Sim, "Tools of the Trade Column: Inventive Tool Use to Comprehend Big Code," *IEEE Software*, p. 3-4, Vol. 25, No. 5, September/October, 2008.	Quality: Magazine Contribution: Co-author was a student working under my supervision
JO.6	Rosalva E. Gallardo-Valencia and Susan Elliott Sim, "Enacting Software Processes through Prescription and Improvisation," *ACM Crossroads*, Vol. 14, No. 1, p.3 (8 pages), Winter, 2008.	Quality: Magazine Contribution: Co-author was a student working under my supervision
JO.5	Vincenzo Gervasi, Didar Zowghi, Steve Easterbrook, and Susan Elliott Sim, "Report on The First International Workshop on Comparative Evaluation in Requirements Engineering," *ACM SIGSOFT Software Engineering Notes*, pages. 27 (1-4), Vol. 29, No. 2, March, 2004.	Quality: Workshop report, not peer reviewed Contribution: Equal contributor
JO.4	Margaret-Anne D. Storey, Susan Elliott Sim, and Ken Wong. "A Collaborative Demonstration of Reverse Engineering Tools," *ACM SIGAPP Applied Computing Review*, pages 18-25 Volume. 10, No. 1, Spring, 2002.	Quality: Workshop report, not peer reviewed Contribution: Equal contributor
JO.3	Susan Elliott Sim, Janice Singer, and Margaret-Anne Storey. Beg, "Borrow, or Steal: Using Multidisciplinary Approaches in Empirical Software Engineering Research; An ICSE 2000 Workshop Report," *International Journal on Empirical Software Engineering*, pages 85-93, Vol. 6, No. 1, March, 2001.	Quality: Workshop report, not peer reviewed Contribution: Equal contributor
JO.2	Susan Elliott Sim and Rainer Koschke. "WoSEF: Workshop on Standard Exchange Format," *ACM SIGSOFT Software Engineering Notes*, pages 44-49, Vol. 26, January, 2001.	Quality: Workshop report, not peer reviewed Contribution: Equal contributor
JO.1	Barry Wellman, and Susan Sim. "Integrating Textual and Statistical Methods in the Social Sciences," *Cultural Anthropology Methods*. Part 1, pages 1-3, Vol. 2, No. 1, February, 1990, Part 2, pages 1-5, Vol. 2, No. 2, May, 1990.	Quality: Newsletter Contribution: Secondary author

REFEREED CONFERENCE PUBLICATIONS

CR.22	Marisa Leavitt Cohn, Susan Elliott Sim, and Paul Dourish, "Design Methods as Discourse on Practice," in the ACM 2010 International Conference on Supporting Group Work, Sanibel Island, FL, 7-10 November 2010. (10 pages)	Quality: Leading Conference Acceptance Rate: Unknown Contribution: First author was a student working under my supervision
CR.21	Rosalva E. Gallardo-Valencia, Phitchayaphong Tantikul, and Susan Elliott Sim, "Searching for Reputable Source Code on the Web," in the ACM 2010 International Conference on Supporting Group Work, Sanibel Island, FL, 7-10 November 2010. (4 pages)	Quality: Leading Conference Acceptance Rate: Unknown Contribution: Co-authors were students working under my supervision

CR.20	Sukanya Ratanotayanon, Hye Jung Choi, and Susan Elliott Sim, "Feature Location Using Induced Changesets to Join Semantic and Syntactic Knowledge," in 25th IEEE/ACM International Conference on Automated Software Engineering, Antwerp, Belgium, 20-24 September 2010. (4 pages)	Quality: Top Conference Acceptance Rate: 34% Contribution: Co-authors were students working under my supervision
CR.19	Sukanya Ratanotayanon, Hye Jung Choi, and Susan Elliott Sim, "My Repository Runneth Over: An Empirical Study on Diversifying Data Sources to Improve Feature Search," in Eighteenth IEEE International Conference on Program Comprehension, Braga, Portugal, 30 June – 2 July 2010. (10 pages)	Quality: Leading Conference Acceptance Rate: 19% Contribution: Co-authors were students working under my supervision
CR.18	Sukanya Ratanotayanon and Susan Elliott Sim, "Supporting Program Comprehension in Agile with Links to User Stories," in *Agile 2009*, Chicago, IL, 24-28 August 2009. (8 pages)	Quality: Conference Acceptance Rate: 40% Contribution: Co-author was a student working under my supervision
CR.17	Susan Elliott Sim, Thomas A. Alspaugh, and Ban Al-Ani. "Marginal Notes on Amethodical Requirements Engineering: What experts learned from experience" in *Proceedings of the Sixteenth International Requirements Engineering Conference*, Barcelona, Catalunya, Spain, pp. 105-114, 10-12 September 2008.	Quality: Top Conference Acceptance Rate: 11% Contribution: Primary author
CR.16	Scott A. Bailey and Susan Elliott Sim, "Applying Models of Technology Adoption to Software Tools and Methods: An Empirical Study," *Proceedings of the Eighteenth International Conference on Software Engineering and Knowledge Engineering* (SEKE), San Francisco Bay, CA, pp. 200-205, 5-7 July 2006.	Quality: Conference Acceptance Rate: 42% Contribution: Co-author was a student working under my supervision
CR.15	Sukanya Ratanotayanon, Jigar Kotak, and Susan Elliott Sim, "After the Scrum: Twenty Years of Working without Documentation," *Proceedings of the Eighteenth International Conference on Software Engineering and Knowledge Engineering* (SEKE), San Francisco Bay, CA, pp. 194-199, 5-7 July 2006.	Quality: Conference Acceptance Rate: 42% Contribution: Co-authors were students working under my supervision
CR.14	Mamadou Diallo, Jose Romero-Mariona, Susan Elliott Sim, Thomas A. Alspaugh, and Debra J. Richardson, "A Comparative Evaluation of Three Approaches to Specifying Security Requirements," *Proceedings of the Twelfth Working Conference on Requirements Engineering: Foundation for Software Quality* (REFSQ), Luxembourg, Grand-Duchy of Luxembourg, 5-6 June 2006.	Quality: Conference Acceptance Rate: Contribution: Primary co-author Acceptance Rate: 32%
CR.13	Susan Elliott Sim, "A Small Social History of Software Architecture," *Proceedings of the Thirteenth International Workshop on Program Comprehension* (IWPC/WCPC), St. Louis, MO, pp. 341-344, 15-16 May, 2005.	Quality: Leading Conference Acceptance Rate: 44% Contribution: Sole author
CR.12	Susan Elliott Sim, Steve Easterbrook, and Richard C. Holt. "Using Benchmarking to Advance Research: A Challenge to Software Engineering," *Proceedings of the Twenty-Fifth International Conference on Software Engineering* (ICSE), pp. 74-83, Portland, Oregon, 3-10 May, 2003.	Quality: Top Conference Acceptance Rate: 13% Contribution: Primary co-author
CR.11	Holger Kienle and Susan Elliott Sim. "Call for Participation: Towards a Benchmark for Web Site Extractors," *Seventh European Conference on Software Maintenance and Reengineering* (CSMR), pp. 82-87, Benevento, Italy, 26-28 March, 2003.	Quality: Conference Acceptance Rate: 34% Contribution: Secondary co-author

CR.10	Susan Elliott Sim, Richard C. Holt, and Steve Easterbrook. "On Using a Benchmark to Evaluate C++ Extractors," *Proceedings of the Tenth International Workshop on Program Comprehension* (IWPC/ICPC), pp. 114-123, Paris, France, 27-29 June, 2002.	Quality: Leading Conference Acceptance Rate: 61% Contribution: Primary co-author
CR.9	Rudolf Ferenc, Susan Elliott Sim, Richard C. Holt, Rainer Koschke, and Tibor Gyimóthy, "Towards a Standard Schema for C/C++," *Proceedings of the Eighth Working Conference on Reverse Engineering* (WCRE), pp. 49-58, Stuttgart, Germany, 2-5 October, 2001.	Quality: Leading Conference Acceptance Rate: NA Contribution: Equal contributor
CR.8	Susan Elliott Sim and Margaret-Anne D. Storey. "A Structured Demonstration of Program Comprehension Tools," *Proceedings of the Seventh Working Conference on Reverse Engineering* (WCRE), pp. 184-193, Brisbane, Queensland, Australia, 23-25 November, 2000.	Quality: Leading Conference Acceptance Rate: NA Contribution: Equal contributor
CR.7	Susan Elliott Sim, Margaret-Anne Storey, and Andreas Winter. "A Structured Demonstration of Five Program Comprehension Tools: Lessons Learnt," *Proceedings of the Seventh Working Conference on Reverse Engineering* (WCRE), pp. 210-212, Brisbane, Queensland, Australia, 23-25 November, 2000.	Short Paper Quality: Leading Conference Acceptance Rate: NA Contribution: Equal contributor
CR.6	Susan Elliott Sim. "Next Generation Data Interchange: Tool-to-Tool Application Program Interfaces," *Proceedings of the Seventh Working Conference on Reverse Engineering* (WCRE), pp. 278-283, Brisbane, Queensland, Australia, 23-25 November, 2000.	Short Paper Quality: Leading Conference Acceptance Rate: NA Contribution: Sole author
CR.5	Anthony Cox, Charles Clarke, and Susan Sim. "A Model Independent Source Code Repository," *Proceedings of the IBM Centre for Advanced Studies Conference* (CASCON), pp. 381-390, Toronto, Canada, 8-11 November, 1999.	Quality: Conference Acceptance Rate: 36% Contribution: Secondary author
CR.4	Susan Elliott Sim, Charles L.A. Clarke, Richard C. Holt, and Anthony M. Cox. "Browsing and Searching Software Architectures," *Proceedings of the International Conference on Software Maintenance* (ICSM), pp. 381-390, Oxford, England, 30 August - 3 September, 1999.	Quality: Leading Conference Acceptance Rate: 49% Contribution: Primary co-author
CR.3	Charles Clarke, Anthony Cox, and Susan Sim. "Searching Program Source Code with a Structured Text Retrieval System," Refereed Poster at *ACM Special Interest Group on Information Retrieval Annual Conference* (SIGIR), Berkeley, CA, 15-19 August, 1999.	Poster Quality: Top Conference Acceptance Rate: Contribution: Secondary co-author
CR.2	Susan Elliott Sim, Charles L.A. Clarke, and Richard C. Holt. "Archetypal Source Code Searching: A Survey of Software Developers and Maintainers," *Proceedings of the Sixth International Workshop on Program Comprehension* (IWPC/ICPC), pp. 180-187, Ischia, Italy, 24-26 June, 1998.	Quality: Leading Conference Acceptance Rate: NA Contribution: Primary co-author
CR.1	Susan Elliott Sim, and Richard C. Holt. "The Ramp-Up Problem in Software Projects: A Case Study of How Software Immigrants Naturalize," *Proceedings of the Twentieth International Conference on Software Engineering* (ICSE), pp. 361-370, Kyoto, Japan, 19-25 April, 1998.	Quality: Top Conference Acceptance Rate:20% Contribution: Primary co-author

OTHER PUBLISHED WRITINGS

OP.24	Rosalva E. Gallardo-Valencia and Susan Elliott Sim, "Agile Validation is Continuous and Collaborative: A Field Study of Agile Requirements Knowledge" *in Proceedings of the Second International Workshop on Managing Requirements Knowledge* (MaRK'09), and RE 2009 Workshop, Atlanta, GA, 1 September 2009. (8 pages)	Quality: Peer-Reviewed Workshop Contribution: Co-author was a student working under my supervision
OP.23	Sukanya Ratanotayanon, Susan Elliott Sim, Derek J. Raycraft, "Cross-Artifact Traceability Using Lightweight Links," *Proceedings of Traceability in Emerging Forms of Software Engineering* (TEFSE), ICSE 2009 Workshop, Vancouver, Canada, 18 May 2009. (8 pages)	Quality: Peer-Reviewed Workshop Contribution: Co-author was student working under my supervision
OP.22	Susan Elliott Sim, Sukanya Ratanotayanon, and Leyna Cotran, "Structure Transition Graphs: An ECG for Program Comprehension?" Proceedings of the 17th IEEE International Conference on Program Comprehension (ICPC), Vancouver, Canada, 17-19 May 2009. (2 pages)	Quality: Poster in Peer-Reviewed Workshop Contribution: Co-authors were students working under my supervision
OP.21	Sukanya Ratanotayanon and Susan Elliott Sim, "Discovering Task-Based Concern Maps by Merging Concern Fragments," *Proceedings of the 17th IEEE International Conference on Program Comprehension* (ICPC), Vancouver, Canada, 17-19 May 2009. (2 pages)	Quality: Poster in Peer-Reviewed Workshop Contribution: Co-author was student working under my supervision
OP.20	Susan Elliott Sim, Marisa Leavitt Cohn, and Kavita Philip, "The Work of Software Development as an Assemblage of Computational Practice," *Proceedings of Cooperative and Human Aspects of Software Engineering*, ICSE 2009 Workshop, Vancouver, Canada, 17 May 2009. (4 pages)	Quality: Peer-Reviewed Workshop Contribution: Equal contributor
OP.19	Rosalva E. Gallardo-Valencia and Susan Elliott Sim, "Internet-Scale Code Search." Proceedings of *Search-Driven Development - Users, Infrastructure, Tools and Evaluation* (SUITE), ICSE 2009 Workshop, Vancouver, Canada, 16 May 2009. (4 pages)	Quality: Peer-Reviewed Workshop Contribution: Co-author was student working under my supervision
OP.18	Susan Elliott Sim and Kavita Philip, "Software Source Code Mashups as Transnational Circuits of Know-How," Proceedings of the Tinkering, Tailoring, and Mashing: The Social and Collaborative Practices of the Read-Write Web CSCW 2008 Workshop, San Diego, CA, 9 November 2008. (4 pages)	Quality: Peer-Reviewed Workshop Contribution: Equal contributor
OP.17	Medha Umarji, Susan Elliott Sim, and Cristina V. Lopes, "Archetypal Internet-Scale Source Code Searching," in *Proceedings of the Fourth International Conference on Open Source Systems*, Milan, Italy, 7-10 September 2008. (7 pages)	Short paper Quality: Conference Contribution: First author was student working under my supervision
OP.16	Cheng, Li-te, Cleidson de Souza, Yvonne Dittrich, Orit Hazzan, Michael John, Frank Maurer, Helen Sharp, Jonathan Sillito, Susan Elliott Sim, Janice Singer, Margaret-Anne Storey, Bjørnar Tessem, and Gina Venolia. "Cooperative and Human Aspects of Software Engineering (CHASE 2008)" in the *Proceedings of the Thirtieth International Conference in Software Engineering*, pp. 1067-8, Leipzig, Germany, 10-18 May 2008.	Quality: Workshop summary Contribution: Secondary co-author

OP.15   Marisa Leavitt Cohn, Susan Elliott Sim, and Kavita Philip. "Technical Authorship: Refiguring the Designer-User Conflict and the Visioning of Collective Technical Futures," presented at *Third Annual iConference*, UCLA, Los Angeles, CA, 29 February – 1 March 2008. (9 pages)

Quality: Peer-reviewed workshop
Contribution: Secondary author

OP.14   Susan Elliott Sim and Kavita Philip. "Tracing Transnational Flows of IT Knowledge Through Open Exchange of Software Development Know-How," presented at *Third Annual iConference*, UCLA, Los Angeles, CA, 29 February – 1 March 2008. (5 pages)

Quality: Peer-reviewed workshop
Contribution: Equal contributor

OP.13   Raihan Al-Ekram, Richard C. Holt, Chris Hobbs, and Susan Sim. "Automating Service Quality with TOMCAD (Tradeoff Model with Capacity and Demand)," presented at *Workshop on Automating Service Quality* (WRASQ), at ASE2007, Atlanta, GA, 6 November 2007. (6 pages)

Quality: Peer-reviewed workshop
Contribution: Minor contributor

OP.12   Mamadou Diallo, Susan Elliott Sim, and Thomas A. Alspaugh. "Case Study, Interrupted: The Paucity of Subject Systems that Span the Requirements-Architecture Gap," presented at *Workshop on Empirical Assessment of Software Engineering Languages and Technologies* (WEASELTech'07), at ASE2007, Atlanta, GA, 5 November 2007. (6 pages)

Quality: Peer-reviewed workshop
Contribution: Equal co-author

OP.11   Rosalva E. Gallardo-Valencia, Vivian Olivera, and Susan Elliott Sim. "Practical Experiments are Informative, but Never Perfect," presented at *Workshop on Empirical Assessment of Software Engineering Languages and Technologies* (WEASELTech'07), at ASE2007, Atlanta, GA, 5 November 2007. (6 pages)

Quality: Peer-reviewed workshop
Contribution: Co-authors were students working under my supervision

OP.10   Thomas A. Alspaugh, Susan Elliott Sim, Kristina Winbladh, Mamadou Diallo, Leila Naslavsky, Hadar Ziv, and Debra J. Richardson. "The Importance of Clarity in Usable Requirements Specifications," presented at *Fifth International Workshop on Comparative Evaluation in Requirements Engineering* (CERE2007), at RE2007, New Delhi, India, 16 October 2007. (10 pages)

Quality: Peer-reviewed workshop
Contribution: Primary Co-Author

OP.9   Rosalva E. Gallardo-Valencia, Vivian Olivera, Susan Elliott Sim, "Are Use Cases Beneficial for Developers Using Agile Requirements?" *Fifth International Workshop on Comparative Evaluation in Requirements Engineering* (CERE2007), at RE2007, New Delhi, India, 16 October 2007. (11 pages)

Quality: Peer-reviewed workshop
Contribution: Co-authors were students working under my supervision

OP.8   Susan Elliott Sim, "Planning vs. Improvisation: Conflicting World Views in Software Interoperability," *Society for Social Studies of Science Annual Meeting,* Montreal, Canada, 10-13 October 2007.

Quality: Top Conference in STS
Contribution: Sole author

OP.7   Rosalva E. Gallardo-Valencia, and Susan Elliott Sim. "Enacting Software Processes Through Prescription and Improvisation," presented at *ISR Graduate Student Research Symposium*, Irvine, CA, 1 June 2007. (8 pages)

Quality: Symposium
Contribution: Co-author was a student working under my supervision

OP.6   Sukanya Ratanotayanon and Susan Elliott Sim, "When Programmers Don't Ask," presented at *Second International Workshop on Supporting Knowledge Collaboration in Software Development*, at ASE 2006, Tokyo, Japan, 19 September 2006. (8 pages)

Quality: Peer-reviewed workshop
Contribution: Co-author was a student working under my supervision

OP.5	Ban Al-Ani and Susan Elliott Sim, "So, You Think You Are a Requirements Engineer? (Extended Abstract for Poster)," *Proceedings of the Fourteenth IEEE International Requirements Engineering Conference*, Minneapolis/St. Paul, MN, USA, 11-15 September 2006. (3 pages)	Abstract for Poster Quality: Top conference Contribution: Co-author was a post-doctoral researcher working under my supervision
OP.4	Ban Al-Ani and Susan Elliott Sim, "Using Expertise as a Framework for Evaluating Requirements Technology," presented at *Fourth International Workshop on Comparative Evaluation in Requirements Engineering* (CERE2006), at RE2006, Minneapolis/St. Paul, MN, USA, 11 September 2006. (5 pages)	Position paper Quality: Peer-reviewed workshop Contribution: Co-author was a post-doctoral researcher working under my supervision
OP.3	Susan Elliott Sim. "Evaluating the Evidence: Lessons from Ethnography," *Proceedings of the Workshop on Empirical Studies of Software Maintenance*, at ICSM99, pages 66-70, Oxford, England, 3-4 September, 1999.	Position paper Quality: Peer-reviewed workshop Contribution: Sole author
OP.2	Susan Elliott Sim. "Characterizing How Software Maintainers Work: Cultures and Habits," *Proceedings of the Workshop on Empirical Studies of Software Maintenance*, at ICSM98, pages 11-12, Washington, D.C., U.S.A., 16 November, 1998.	Position paper Quality: Peer-reviewed workshop Contribution: Sole author
OP.1	Barry Wellman, and Susan Sim. "Integrating Textual and Statistical Methods of Studying Social Networks," *The Dynamic Text: Joint Conference of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing*, Toronto, 6-9 June, 1989.	Quality: Conference Contribution: Secondary co-author

PROCEEDINGS

P.4 Susan Elliott Sim and Massimiliano di Penta (eds), "The Thirteenth Working Conference on Reverse Engineering (WCRE 2006)," IEEE Computer Society, 2006. ISBN 0-7695-2719-1

P.3 Andrea de Lucia and Susan Elliott Sim (eds), "The Twelfth Working Conference on Reverse Engineering (WCRE 2005)," IEEE Computer Society, 2005. ISBN 0-7695-2474-5

P.2 Vincenzo Gervasi, Didar Zowghi, and Susan Elliott Sim (eds), "The Second International Workshop on Comparative Evaluation in Requirements Engineering (CERE'04)," Sydney, Australia: Faculty of Information Technology, University of Technology, Sydney, 2005. ISBN 1-86365-8666-1

P.1 Vincenzo Gervasi, Didar Zowghi, Steve Easterbrook, and Susan Elliott Sim (eds), "The First International Workshop on Comparative Evaluation in Requirements Engineering (CERE'03),". Sydney, Australia: Faculty of Information Technology, University of Technology, Sydney, 2004. ISBN 1-86365-861-0

TUTORIALS

T.3 Dewayne Perry, Susan Elliott Sim, and Steve Easterbrook, "Case Studies for Software Engineers," *Proceedings of the Twenty-Eighth International Conference on Software Engineering*, Shanghai, China, pp. 1045-1046, 20-28 May 2006.

T.2 Dewayne Perry, Susan Elliott Sim, and Steve Easterbrook, "Case Studies for Software Engineers," *Proceedings of the Twenty-Ninth Annual IEEE/NASA Software Engineering Workshop* - Tutorial Notes (SEW'05), Greenbelt, Maryland, pp. 96-159, 6-7 April 2005.

T.1   Dewayne Perry, Susan Elliott Sim, and Steve Easterbrook, "Case Studies for Software Engineers," *Proceedings of the Twenty-Sixth International Conference on Software Engineering*, Edinburgh, UK, pp. 736-738, 23-28 May 2004.

TECHNICAL REPORTS

TR.3   Thomas A. Alspaugh, Susan Elliott Sim, Kristina Winbladh, Mamadou Diallo, Leila Naslavsky, Hadar Ziv, and Debra J. Richardson, "The Importance of Clarity in Usable Requirements Specifications," Institute for Software Research, University of California, Irvine, Irvine, CA UCI-ISR-06-14, September 2006.

TR.2   Susan Elliott Sim, Sukanya Ratanotayanon, Oluwatosin Aiyelokun, and Erin Morris, "An Initial Study to Develop an Empirical Test for Software Engineering Expertise," Institute for Software Research, University of California, Irvine, Irvine, CA, USA, Technical Report #UCI-ISR-06-6, May 2006 2006.

TR.1   Barry Wellman, Susan Sim, N. Scot Wortley, and Cyndi Rottenberg. "Using Word Perfect Macros to Build a Reference List: The CITES System version 1.1." Working paper No. 205, 1989, Department of Sociology, University of Toronto.

TEACHING

Undergraduate Courses Taught

CSE 121/	Software Tools and Methods
ICS 121/	
Informatics 111	
Informatics H198	Honors Research
Informatics 199	Individual Study

Graduate Courses Taught

Informatics 201	Research Methods for Informatics
Informatics 211	Software Engineering
Informatics 217	Software Environments
Informatics 219	Software Processes
Informatics 290	Research Seminar
Informatics 298	Thesis Supervision
Informatics 299	Individual Study

SUPERVISION

Doctoral Students
Dissertation Committee Chair (Principal Supervisor)

Sukanya Ratanotayanon	Ph.D., completed 2010
Rosalva E. Gallardo-Valencia	Ph.D., expected 2011

Dissertation Committee Member

Art Hitomi	Ph.D., expected 2010
Jose Romero Mariona	Ph.D., completed 2010
Wiwat Ruengmee	Ph.D., expected 2010
Hiroko Wilensky	Ph.D., expected 2010
Kristina Winbladh	Ph.D., completed 2010
Eugen Nistor	Ph.D., completed 2009

Master's Students
Dissertation Committee Chair (Principal Supervisor)

Pete Tantikul	M.Sc., expected 2010

Megha Agarwal	M.Sc., completed 2010
Vivan Olivera	M.Sc, completed 2007
Dissertation Committee Member	
Phoebe Lin	M.Sc., completed 2009
Justin Tang	M.Sc., completed 2009
Jungmin Shin	M.Sc., completed 2008
Roger Ripley	M.Sc., completed 2004
Ryan Yasui	M.Sc., completed 2004
Undergraduate Students	
C. Albert Thompson	B.Sc., expected 2010
Stephen Bishtawi	B.Sc., expected 2010
Roy Tiburcio	B.Sc., completed 2008
Scott Bailey	B.Sc., completed 2006
Gon Samuel Choi	B.Sc., completed 2006
John Situ	B.Sc., completed 2006
Justin Beltran	B.Sc., completed 2005
Matt McMahand	B.Sc., completed 2005
Khanh (Kim) Nguyen	B.Sc., completed 2005
Stephan Regan	B.Sc., completed 2005
Logan Shu	B.Sc., completed 2005
Derrick Tseng	B.Sc., completed 2005
Jonathan Zargarian	B.Sc., completed 2005
Wendy Wong	B.Sc., completed 2004

PROFESSIONAL EXPERIENCE

01/1998 – 06/2003	Telepresence Systems Inc.
06/1998 – 08/1998	Institute for Information Technology, National Research Council, Ottawa, Canada
05/1995 – 08/1996	IBM Canada Ltd., Toronto, Canada
07/1993 – 04/1995	Dynamic Graphics Project, University of Toronto
05/1993 – 07/1993	Ontario Telepresence Project, University of Toronto
06/1991 – 07/1992	Prof. Peter Emberley, Dept. of Political Science, Carleton University
10/1988 – 06/1990	Prof. Barry Wellman, Centre for Urban and Community Studies, University of Toronto

PROFESSIONAL SERVICE

Conference Organization

WCRE 2006	Program Committee Co-Chair for Working Conference on Reverse Engineering 2006
WCRE 2005	Program Committee Co-Chair for Working Conference on Reverse Engineering 2005
IWPC 2005	Working Sessions Chair for International Workshop for Program Comprehension 2005
CERE 2004	Co-Chair for Second International Workshop on Comparative Evaluation in Requirements Engineering 2004
CERE 2003	Co-Chair for First International Workshop on Comparative Evaluation in Requirements Engineering 2003
LINKS 1990	Conference Details Co-Chair for LINKS Conference for Gifted Students at the Peel Board
LINKS 1989	of Education, Mississauga, Ontario, 1989, 1990

Reviewing and Panel Service

2009, 2007, 2006	National Science and Engineering Research Council (NSERC), Canada
2010, 2009, 2008, 2007	ACM Transactions on Software Engineering and Methodology
2010, 2009, 2008, 2004	IEEE Transactions on Software Engineering

November 30, 2010

2006, 2005	Information Software and Technology
2010	Empirical Software Engineering – An International Journal
2006, 2005	International Journal of Human-Computer Studies
2005	Requirements Engineering Journal
2005	Software Quality
2010, 2009, 2004	NSF Panel Member

Conference Program Committees

SUITE 2009, 2010	Search-driven development: Users, Infrastructure, Tools and Evaluation
CHASE 2008, 2009, 2010	Workshop on Cooperative and Human Aspects of Software Engineering
CERE 2007, 2006, 2005	International Workshop on Comparative Evaluation in Requirements Engineering
WCRE 2009, 2007, 2004	Working Conference on Reverse Engineering
ICPC 2008, 2007, 2006	International Conference on Program Comprehension
WISER2006	Second International Workshop on Interdisciplinary Software Engineering Research
IWPC 2005	International Workshop on Program Comprehension
ateM2003	First International Workshop on Meta-Models and Schemas for Reverse Engineering

Workshop Organization

13/05/2008	Co-Organizer for "Cooperative and Human Aspects of Software Engineering (CHASE)," ICSE 2008.
29/06/2002	Co-Chair for "A Benchmark for C++ Fact Extractors," IWPC 2002 Working Session
06/11/2001	Co-Chair for "C++ Parser-Analysers for Reverse Engineering: Trade-offs and Benchmarks", CASCON2001
04/10/2001	Co-Chair for "Collaborative Tools Demonstration Project," WCRE2001
24/11/2000	Co-Chair for "Tools Comparison Workshop," WCRE 2000,
15/11/2000	Co-Chair for Software Data Interchange with GXL: Introduction and Tutorial, CASCON 2000
15/11/2000	Co-Chair for "Software Data Interchange with GXL: Implementation Issues," CASCON 2000
06/06/2000	Co-Chair for "Workshop on Standard Exchange Format (WoSEF)," ICSE 2000
05/06/2000	Co-Chair for "Beg, Borrow, or Steal: Using Multidisciplinary Approaches in Empirical Software Engineering Research," ICSE 2000
08/11/1999, 10/11/1999	Co-Chair for "A Collective Demonstration of Program Comprehension Tools," CASCON99
01/12/1998	Co-Chair for "Building Software Tools for People: Lessons from User Studies," CASCON98, Toronto Canada

COMMUNITY SERVICE

07/2008 - 06/2009	Department of Informatics, Graduate Recruitment and Retention
07/2007 -06/2009	Department of Informatics, Web Site Committee
07/2007 - 06/2008	Department of Informatics, Graduate Recruiting and Admissions
07/2005 - 06/2006	

UNIVERSITY SERVICE

University of California, Irvine

07/2008 - 06/2009	Department of Informatics, Graduate Recruitment and Retention
07/2007 -06/2009	Department of Informatics, Web Site Committee
07/2007 - 06/2008	Department of Informatics, Graduate Recruiting and Admissions
07/2005 - 06/2006	
09/2003 – 07/2004	School of Information and Computer Science Networking and Computing Policy Committee
04/2004 – 10/2004	*Ad Hoc* Committee for Graduate Recruiting Poster
07/2004 – 09/2004	*Ad Hoc* Organizing Committee for Orientation for Inaugural Class of Bachelor of Informatics Students

University of Toronto

09/1999 – 08/2003	Mentoring incoming women graduate students, Department of Computer Science, University of Toronto
09/1997 – 11/1997	Coach for ACM Programming Contest, Department of Computer Science, University of Toronto
11/1997	Guest Appearance on exn-tv, Discovery Channel, Canada
09/1994 – 05/1995	Undergraduate Curriculum Committee, Department of Computer Science University of Toronto
04/1993 – 12/1994	Hart House Board of Stewards, University of Toronto
03/1992 – 05/1995	Hart House Library Committee, University of Toronto
04/1991 – 08/1992	Faculty of Arts and Science General Committee, University of Toronto