

DAVID W. McDONALD

Curriculum Vitae

Human Centered Design & Engineering
College of Engineering
University of Washington
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EDUCATIONAL HISTORY

University of California, Irvine, CA
Ph.D., Information & Computer Science
August 2000

Dissertation: Supporting Nuance in Groupware Design: Moving from Naturalistic Expertise Location to Expertise Recommendation

University of California, Irvine, CA
M.S., Information & Computer Science
June 1995

California State University, Hayward, CA
M.S., Math & Computer Science
June 1992

University of California, Los Angeles, CA
B.A., Cognitive Science
June 1988

EMPLOYMENT HISTORY

University of Washington, College of Engineering
Department of Human Centered Design & Engineering
Seattle, WA, USA
Department Chair, June 2014 – Present
Professor, September 2015 – Present
Associate Professor, June 2014 – September 2015

University of Washington, The Information School
Seattle, WA, USA
Associate Professor, September 2008 – June 2014 (5.5 years)
Assistant Professor, January 2002 - August 2008 (5.5 years)

National Science Foundation (IPA Rotation)
Arlington, VA, USA
Program Officer, Computer & Information Science & Engineering (CISE) Directorate,
Information & Intelligent Systems (IIS) Division, and Computing and Network Systems (CNS)
Division, October 2008 - August 2010 (2 years)

Intel Corporation, Digital Home Research Group
Santa Clara, CA, USA
Visiting Faculty, June 2006 - September 2006 (0.33 years)

FX Palo Alto Laboratory, Inc
Palo Alto, CA, USA
Research Scientist, September 2000 - December 2002 (1.5 years)

AT&T Labs - Research, HCI Lab
Palo Alto, CA, USA
Research Scientist, June 1996 - October 1996 (0.42 years)

AWARDS AND HONORS

Distinguished Paper Award, November 2014, American Medical Informatics Association Fall Symposium (AMIA)
Distinguished Paper Award, November 2013, American Medical Informatics Association Fall Symposium (AMIA)
Best Paper Award, July 2008, AAAI International Conference on Weblogs and Social Media (ICWSM)
Honorable Mention, November 2008, ACM Conference on Computer Supported Cooperative Work (CSCW)
UW Royalty Research Scholar, 2003, University of Washington
Regent's Dissertation Fellowship, 1999, University of California, Irvine
Chancellor's Scholar, 1983, University of California, Los Angeles

PUBLICATIONS

Note: all citation counts are from Google Scholar May 15, 2014; * indicates a UW graduate student at the time of publication; ** indicates a graduate student at another institution at the time of publication.

Refereed archival journal publications

- J.13 Park, A., Hartzler, A. L., Huh, J., McDonald, D. W. and Pratt, W. (2015) Automatically Detecting Failures in Natural Language Processing Tools for Online Community Text. *J Med Internet Res* 2015 (Aug 31); 17(8):e212. DOI: <http://www.jmir.org/2015/8/e212/>
- J.12 Hekler E.B., Dubey G.**, McDonald D.W., Poole E.S., Li V.*, and Eikey E.** (2014) Exploring the Relationship Between Changes in Weight and Utterances in an Online Weight Loss Forum: A Content and Correlational Analysis Study. *J Med Internet Res* 2014 (Dec 15); 16(12):e254. DOI: <http://www.jmir.org/2014/12/e254/>
- J.11 Consolvo, S., P. Klasnja, **D. W. McDonald** and J. Landay. (2014) Designing for Healthy Lifestyles: Design Considerations for Mobile Technologies to Encourage Consumer Health and Wellness. *Foundations and Trends in Human-Computer Interaction*. **6** (3-4) <http://dx.doi.org/10.1561/11000000040>
- J.10 Toscos, T., S. Consolvo and **D. W. McDonald**. (2011) Barriers to Physical Activity: A Study of Self-revelation in an Online Community. *Journal of Medical Systems (JOMS)*. <http://dx.doi.org/10.1007/s10916-011-9721-2>.

- J.9 Sease, R. and **D. W. McDonald**. (2011) The Organization of Home Media. *ACM Transactions on Computer Human Interaction (ToCHI)*. 18 (2), Article 9.
- J.8 Lee, S., **D. W. McDonald**, N. Anderson and P. Tarczy-Hornoch. (2009) Incorporating Collaboratory Concepts into Informatics in Support of Translational Interdisciplinary Biomedical Research. *International Journal of Medical Informatics*, 78, 10-21.
- J.7 **McDonald, D. W.**, J. F. McCarthy S. Soroczak*, D. Nguyen**, and A. M. Rashid**. (2008) Proactive Displays to Support Awareness in Fluid Social Environments. *ACM Transactions on Computer-Human Interaction*. **14** (4), 16:1-16:31. (Citations: 50)
- J.6 Weng*, C., **D. W. McDonald**, D. Sparks, J. McCoy and J. H. Gennari. (2006) Participatory Design of a Collaborative Clinical Trial Protocol Writing System. *International Journal of Medical Informatics*. **76** (S1), 245-251.
- J.5 Terveen, L. G. and **D. W. McDonald**. (2005) Social Matching: A Framework and Research Agenda. *ACM Transactions on Computer-Human Interaction*. **12** (3), 401-434. (Citations: 236)
- J.5 Reddy, M.C., **D. W. McDonald**, W. Pratt and M. M. Shabot. (2005) Technology, Work, and Information Flows: Lessons from the implementation of a wireless alert pager system. *Journal of Biomedical Informatics*, **38** (3), 229-238.
- J.4 Gennari, J.H., C. Weng*, J. Bendetti and **D. W. McDonald** (2005) Asynchronous communication among clinical researchers: A study for systems design. *International Journal of Medical Informatics*, **74** (10), 797-807.
- J.3 Pratt, W., M.C. Reddy, **D. W. McDonald**, P. Tarczy-Hornoch and J. H. Gennari. (2004) Incorporating Ideas from Computer-Supported Cooperative Work. *Journal of Biomedical Informatics*, **37** (2), 128-137. (Citations: 146)
- J.2 Ackerman, M. S., and **D. W. McDonald**. (2000) Collaborative Support for Informal Information in Collective Memory Systems. *Information Systems Frontiers: A Journal of Research and Innovation*, **2** (3/4), 333-347. (Citations: 33)
- J.1 Terveen, L. G., W. Hill, B. Amento, **D. McDonald**, and J. Creter. (1997) PHOAKS: A System for Sharing Recommendations. *Communications of the ACM*, **40** (3), 59-62. (Citations: 603)

Conference proceedings and other non-journal articles

- **Fully refereed publications**

- C.46 Park, A.*, A. Hartzler, J. Huh, **D.W. McDonald**, and W. Pratt (2015) Homophily of Vocabulary Usage: Beneficial Effects of Vocabulary Similarity on Online Health Communities Participation. *Proceedings of the American Medical Informatics Association Fall Symposium (AMIA'15)*.
- C.45 Abokhodair*, N., D. Yoo*, and **D. W. McDonald** (2015) Dissecting a Social Botnet: Growth, Content and Influence in Twitter. *Proceedings of the 2015 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW'15)*.
- C.44 Epstein*, D., B. Jacobson*, E. Bales, **D. W. McDonald** and S. Munson (2015) From “nobody cares” to “way to go!”: A Design Framework for Social Sharing in Personal Informatics. *Proceedings of the 2015 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW'15)*.
- C.43 Hartzler, A., **D. W. McDonald**, A. Park*, J. Huh, C. Weaver and W. Pratt (2014) Evaluating health interest profiles extracted from patient-generated data. *Proceedings*

*of the American Medical Informatics Association Fall Symposium (AMIA'14).
(Received the “Distinguished Paper Award”)*

- C.42 Li*, V., **D. W. McDonald**, E.V. Eikey**, J. Sweeney**, J. Escajeda**, G. Dubey**, K. Riley**, E.S. Poole and E. Hekler (2014) Losing it Online: Characterizing Participation in and Online Weight Loss Community. *Proceedings of the ACM 2014 International Conference on Supporting Group Work (GROUP'14)*.
- C.41 Morgan*, J. T., M. Gilbert*, **D. W. McDonald** and M. Zachry (2014) Editing Beyond Articles: Diversity & Dynamics of Teamwork in Open Collaborations. *Proceedings of the 2014 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW'14)*.
- C.40 Huh, J., **D. W. McDonald**, A. Hartzler and W. Pratt, (2013) Patient Moderator Interaction in Online Health Communities. *Proceedings of the American Medical Informatics Association Fall Symposium (AMIA'13)*. (Received the “Distinguished Paper Award”)
- C.39 Park**, M., **D. W. McDonald** and M. Cha (2013) Perception Differences between the Depressed and Non-Depressed Users in Twitter. *Proceedings of the Seventh International Conference on Weblogs and Social Media (ICWSM-2013)*. (21% acceptance rate)
- C.38 Morgan*, J. T., M. Gilbert*, **D. W. McDonald** and M. Zachry (2013) Project talk: coordination work and group membership in WikiProjects. *Proceedings of the 9th International Symposium on Open Collaboration (WikiSym '13)*.
- C.37 Gilbert*, M., J. T. Morgan*, **D. W. McDonald** and M. Zachry (2013) Managing complexity: strategies for group awareness and coordinated action in Wikipedia. *Proceedings of the 9th International Symposium on Open Collaboration (WikiSym '13)*.
- C.36 Thornton*, K. and **D. W. McDonald** (2012) Tagging Wikipedia: Collaboratively Creating a Category System. *Proceedings of the 2012 ACM Conference on Supporting Group Work (GROUP'12)*.
- C.35 **McDonald, D. W.**, S. Gokhman* and M. Zachry (2012) Building for Social Translucence: A Domain Analysis and Prototype System. *Proceedings of the 2012 ACM Conference on Computer Supported Cooperative Work (CSCW'12)*.
- C.34 **McDonald, D. W.**, S. Javanmardi** and M. Zachry (2011) Finding Patterns in Behavioral Observations by Automatically Labeling Forms of Wikiwork in Barnstars. *Proceedings of the 7th International Symposium on Wikis and Open Collaboration (WikiSym'11)*.
- C.33 Javanmardi**, S., **D. W. McDonald** and C. Lopes (2011) Vandalism Detection in Wikipedia: A High-Performing, Feature-Rich Model and its Reduction Through Lasso. *Proceedings of the 7th International Symposium on Wikis and Open Collaboration (WikiSym'11)*.
- C.32 Derthick*, K., P. Tsao, T. Kriplean, A. Borning, M. Zachry and **D. W. McDonald** (2011) Collaborative Sensemaking during Admin Permission Granting in Wikipedia. *Proceedings of the 14th International Conference on Human-Computer Interaction (HCI'11)*.
- C.31 Toscos**, T., S. Consolvo and **D. W. McDonald** (2010) Is it normal to be this sore?: Using an Online Forum to Investigate Barriers to Physical Activity. *Proceedings of the 1st ACM International Health Informatics Symposium (IHI'10)*.

- C.30 Ackerman, M., J. Muramatsu and **D. W. McDonald** (2010) Social Regulation in an Online Game: Uncovering the Problematics of Code. *Proceedings of the ACM 2010 International Conference on Supporting Group Work (GROUP'10)*.
- C.29 Civan-Hartzler*, A., **D. W. McDonald**, C. Powell, M. M. Skeels*, M. Mukai, and W. Pratt (2010) Bringing the Field into Focus: User-centered Design of a Patient Expertise Locator. *Proceedings of the 2010 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'10)*.
- C.28 Klasnja*, P., S. Consolvo, **D. W. McDonald**, J. A. Landay and W. Pratt (2009) Using Mobile & Personal Sensing Technologies to Support Health Behavior Change in Everyday Life: Lessons Learned. *Proceedings of the American Medical Informatics Association Fall Symposium (AMIA'09)*. 338-342. (Citations: 33)
- C.27 Sease*, R. and **D. W. McDonald** (2009) Musical Fingerprints: Collaboration around Home Media Collections. *Proceedings of the ACM 2009 International Conference on Supporting Group Work (GROUP'09)*. 331-340.
- C.26 Civan*, A., **D. W. McDonald**, K. T. Unruh and W. Pratt (2009) Locating Patient Expertise in Everyday Life. *Proceedings of the ACM 2009 International Conference on Supporting Group Work (GROUP'09)*. 291-300.
- C.25 Consolvo*, S., P. Klasnja*, **D. W. McDonald** and J. A. Landay (2009) Goal-Setting Considerations for Persuasive Technologies that Encourage Physical Activity. *Proceedings of the 2009 Conference on Persuasive Technology (Persuasive'09)*. (Citations: 64)
- C.24 Torrey*, C., E. Churchill, and **D. W. McDonald** (2009) Learning How: The Search for Craft Knowledge on the Internet. *Proceedings of the 2009 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'09)*. (Citations: 56)
- C.23 Consolvo*, S., **D. W. McDonald**, and J. A. Landay (2009) Theory-Driven Design Strategies for Technologies that Support Behavior Change in Everyday Life. *Proceedings of the 2009 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'09)*. (Citations: 230)
- C.22 Kriplean*, T., I., Beschastnikh*, and **D. W. McDonald** (2008) Articulations of Wikiwork: Uncovering Valued Work in Wikipedia through Barnstars. *Proceedings of the 2008 ACM Conference on Computer Supported Cooperative Work (CSCW'08)*. (Received "**Honorable Mention**" in the CSCW'08 best paper competition.) (23% acceptance rate) (Citations: 100)
- C.21 Consolvo*, S., P. Klasnja*, **D. W. McDonald**, D. Avrahami*, J. Froehlich*, L. LeGrand, R. Libby, K. Mosher, and J. A. Landay (2008) Flowers or a Robot Army? Encouraging Awareness & Activity with Personal Mobile Displays. *Proceeding of the Tenth International Conference on Ubiquitous Computing (UbiComp'08)*. (Citations: 168)
- C.20 Consolvo*, S., **D. W. McDonald**, T. Toscos*, M. Y. Chen, J. Froehlich*, B. Harrison, P. Klasnja*, A. LaMarca, L. LeGrand, R. Libby, I. Smith and J. A. Landay (2008) Activity Sensing in the Wild: A field trial of UbiFit Garden. *Proceeding of the twenty-sixth annual SIGCHI Conference on Human factors in Computing Systems (CHI'08)*. 1797-1806. (22% acceptance rate) (Citations: 435)
- C.19 Beschastnikh*, I., T. Kriplean*, and **D. W. McDonald** (2008) Wikipedian Self-Governance in Action: Motivating the Policy Lens. *Proceedings of the Second International Conference on Weblogs and Social Media (ICWSM'08)*. (Received "**Best Paper**" award at ICWSM'08.) (Citations: 78)

- C.18 Pedersen, E. and **D. W. McDonald** (2008) Relating Documents via User Activity: The Missing Link. *Proceedings of the ACM 2008 International Conference on Intelligent User Interfaces (IUI'08)*. 389-392.
- C.17 Kriplean*, T., I. Beschastnikh*, **D. W. McDonald** and S. Golder**. Community, Consensus, Coercion, Control: CS*W or How Policy Mediates Mass Participation. In *Proceedings of the ACM 2007 International Conference on Supporting Group Work (GROUP'07)*, 2007. 167-176. (23% acceptance rate) (Citations: 83)
- C.16 Torrey**, C., **D. W. McDonald**, B. N. Schilit, and S. Bly. How-To Pages: Informal Systems of Expertise Sharing. In *Proceedings of the Tenth European Conference on Computer-Supported Cooperative Work (ECSCW 2007)*, 2007. 391-410. (19% acceptance rate) (Citations: 42)
- C.15 **McDonald, D. W.** Visual Conversation Styles in Web Communities. *Proceedings of the 40th Hawaii International Conference on System Sciences (HICSS-40)*. 2007.
- C.14 **McDonald, D. W.**, C. Weng* and J.H. Gennari. The Multiple Views of Inter-organizational Authoring In *Proceedings of the 2004 ACM Conference on Computer-Supported Cooperative Work (CSCW'04)*, 2004: 564-573. (30% acceptance rate)
- C.13 McCarthy, J., **D. W. McDonald**, S. Soroczak*, D. Nguyen** and A. M. Rashid**. Augmenting the Social Space of an Academic Conference. In *Proceedings of the 2004 ACM Conference on Computer-Supported Cooperative Work (CSCW'04)*, 2004: 39-48. (30% acceptance rate) (Citations: 74)
- C.12 Weng*, C., **D. W. McDonald** and J. H. Gennari. Participatory Design of a Clinical Trial Protocol Writing System. In *IT in Health Care: Socio-technical Approaches 2nd International Conference (ITHC'04)*, 2004. (Citations: 29)
- C.11 Weng*, C., J. H. Gennari and **D. W. McDonald**. A Collaborative Clinical Trial Protocol Writing System. In *Proceedings of the 2004 International Medical Informatics Conference (MedInfo'04)*, 2004: 1481-1485.
- C.10 Gennari, J. H., C. Weng*, **D. W. McDonald**, J. Benedetti and S. Green. An Ethnographic Study of Collaborative Clinical Trial Protocol Writing. In *Proceedings of the 2004 International Medical Informatics Conference (MedInfo'04)*, 2004: 1461-1465.
- C.9 Reddy, M., W. Pratt, **D. W. McDonald** and M. M. Shabot. Challenges to Physicians' Use of A Wireless Alert Pager. *Proceedings of the American Medical Informatics Association Fall Symposium (AMIA'03)*, 2003: 544-548.
- C.8 **McDonald, D. W.** Recommending Collaboration with Social Networks: A Comparative Evaluation. *Proceedings of the 2003 ACM Conference on Human Factors in Computing Systems (CHI'03)*, 2003: 593-600. (16% acceptance rate) (Citations: 171)
- C.7 Schilit, B. N., A. LaMarca, G. Borriello, W. G. Griswold, **D. W. McDonald**, E. Lazowska, A. Balachandran, J. Hong and V. Iverson. Challenge: Ubiquitous Location-Aware Computing and the "Place Lab" Initiative. *The 1st ACM International Workshop on Wireless Mobile Applications and Services on WLAN (WMASH'03)*, 2003.
- C.6 **McDonald, D. W.** Evaluating Expertise Recommendations. *Proceedings of the 2001 International ACM SIGGROUP Conference on Supporting Group Work (GROUP '01)*, 2001: 214-223. (Citations: 77)
- C.5 **McDonald, D. W.**, and M. S. Ackerman. Expertise Recommender: A Flexible Recommendation System and Architecture. *Proceedings of the ACM Conference on Computer-Supported Cooperative Work (CSCW '00)*, 2000: 231-240. (18% acceptance rate) (Citations: 391)

- C.4 Lutters, W.G., M. S. Ackerman, J. Boster and **D. W. McDonald**. Mapping Knowledge Networks in Organizations: Creating a Knowledge Mapping Instrument. *Proceedings of the Association of Information Systems Americas Conference (AMCIS '00)*, 2000: 2014-2018.
- C.3 **McDonald, D. W.**, and M. S. Ackerman. Just Talk to Me: A Field Study of Expertise Location. *Proceedings of the ACM Conference on Computer-Supported Cooperative Work (CSCW '98)*, 1998: 315-324. (19% acceptance rate) (Citations: 319)
- C.2 Terveen, L. G., W. Hill, B. Amento, **D. McDonald** and J. Creter. Building Task-Specific Interfaces to High Volume Conversational Data. *Proceedings of the Conference on Human Factors in Computing Systems (CHI '97)*, 1997: 226-233. (24% acceptance rate)
- C.1 Ackerman, M. S., and **D. W. McDonald**. Answer Garden 2: Merging Organizational Memory with Collaborative Help. *Proceedings of the ACM Conference on Computer-Supported Cooperative Work (CSCW '96)*, 1996: 97-105. (Citations: 389)

• **Refereed by abstract only (Workshops & Extended Abstracts)**

- W.22 Hartzler A, **D. McDonald**, A. Park, J. Huh and W. Pratt. *Mentor matching in peer health communities*. Poster abstract in Proceedings of the American Medical Informatics Association (AMIA) 2012.
- W.21 Huh J, M. Yetisgen-Yildiz, A. Hartzler, **D. McDonald**, A. Park and W. Pratt. *Toward Automatic Weaving of Medical Advice with Patient Experiences Using Text Classification*. Poster abstract in Proceedings of the American Medical Informatics Association (AMIA) 2012.
- W.20 Park A, A. Hartzler, J. Huh, **D. McDonald** and W. Pratt. *Extracting Everyday Health Interests from Online Communities*. Poster abstract in Proceedings of the American Medical Informatics Association (AMIA) 2012.
- W.19 Sajnani, H., S. Javanmardi, **D. W. McDonald** and C. Lopes. Multi-Label Classification of Short Text: A Study on Wikipedia Barnstars. in “Analyzing Microtext” Workshop at the Twenty-Fifth Conference on Artificial Intelligence (AAAI-11), 2011.
- W.18 **McDonald, D. W.** (2011) Task Dependency and the Organization of the Crowd. In “Crowdsourcing and Human Computation: Systems, Studies and Platforms” Workshop at the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'11).
- W.17 Le, L., I. Beschastnikh, and **D. W. McDonald** (2010) Self-Presentation: Structured and semi-structured user profiles. Presented at the “Models, theories and methods of studying online behavior” Workshop at the ACM 2010 SIGCHI Conference on Human Factors in Computing Systems (CHI'10).
- W.16 Beschastnikh, I., **D. W. McDonald**, M. Zachry, T. Kriplean and A. Borning (2009) Promoting Quality in Wikipedia through Enculturation. Presented at the “Supporting the Amateur” Workshop at the ACM 2009 International Conference on Supporting Group Work (GROUP'09).
- W.15 **McDonald, D. W.**, I. Beschastnikh, T. Kriplean, A. Borning and M. Zachry. System Design for Social Translucence in Socially Mediating Technologies. Workshop on “Social Mediating Technologies: Developing the Research Agenda” at the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'09).
- W.14 Kriplean, T., I. Beschastnikh, A. Borning, **D. W. McDonald** and M. Zachry. Designing Mediating Spaces Between Citizens and Government. Workshop on “Social

- Mediating Technologies: Developing the Research Agenda” at the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'09).
- W.13 Sease, R. and **D. W. McDonald**. Collaborating Around Growing media Collections in the Home. Workshop on “Designing for Families” at the ACM 2008 Conference on Computer Supported Cooperative Work (CSCW'08).
- W.12 **McDonald, D. W.**, K. A. Smith, N. Karlova. Problem Solving Probes: A Method for Discovering Conceptual Disconnects with Digital Living Technologies. Workshop on “Designing for Families” at the ACM 2008 Conference on Computer Supported Cooperative Work (CSCW'08).
- W.11 **McDonald, D. W.** Social Computing: A Research Topic in Search of Disciplinarity. Workshop on Research Directions for Social Computing at the ACM 2007 International Conference on Supporting Group Work (GROUP'07).
- W.10 Lin, P. and **D. W. McDonald**. Exploring the social realities of online communities through the lens of a Human Information Behavior framework. The 2nd annual Social Informatics ASIST preconference research symposium Interrogating Information Realities of Information and Communication Systems. The 2006 Annual Meeting of the American Society for Information Science & Technology.
- W.9 Soroczak S. and **D. W. McDonald**. Collaborating Over Project Schedules. Workshop on Supporting the Social Side of Large-Scale Software Development. The 2006 ACM Conference on Computer Supported Cooperative Work (CSCW'06).
- W.8 **McDonald, D.W.**, B. N. Schilit, and S. Bly. IT@Home: Unraveling Complexities of Networked Devices in the Home. *Proceedings of the ACM 2006 Conference on Human Factors in Computing Systems (CHI'06) Extended Abstracts*, 2006: 1711-1713.
- W.7 Bly, S., B. N. Schilit, **D. W. McDonald**, B. Rosario and Y. Saint-Hilaire. Broken Expectations in the Digital Home. *Proceedings of the ACM 2006 Conference on Human Factors in Computing Systems (CHI'06) Extended Abstracts*, 2006: 568-573.
- W.6 **McDonald, D. W.** Radical Appropriation: The Configurations of Wireless Networking in a Community Group. Workshop on Supporting Appropriation Work: Approaches for the 'Reflective' User. The 9th European Conference on Computer-Supported Cooperative Work (ECSCW'05), 2005.
- W.5 Hong, J. I., G. Boriello, J. A. Landay, **D. W. McDonald**, B. N. Schilit, J. D. Tygar. Privacy and Security in the Location-enhanced World Wide Web. UbiComp Communities: Privacy as Boundary Negotiation Workshop. The Fifth International Conference on Ubiquitous Computing (UbiComp 2003), 2003.
- W.4 **McDonald, D. W.** Social Issues in Self-Provisioned Metropolitan Area Networks. Workshop on Ad-Hoc Wireless Networking. The 2002 ACM Conference on Human Factors in Computing Systems (CHI'02), 2002.
- W.3 Reddy, M.C., **D. McDonald**, and W. Pratt. The Promise and Problems of Wireless Adoption in a Teaching Hospital. Workshop on Technologies that Cross Boundaries: Exploring the Gap between Wireless Networks, Bits, Interfaces and Mobile Work Practices. ACM 2000 Conference on Computer Supported Cooperative Work (CSCW '00), 2000.
- W.2 Ackerman, M. S., **D. McDonald**, W. Lutters and J. Muramatsu. Recommenders for Expertise Management. Workshop on Recommender Systems: Algorithms and Evaluation. ACM International Conference on Research and Development in Information Retrieval (SIGIR '99), 1999.

- W.1 **McDonald, D. W.** Recommending Expertise in an Organizational Setting. Doctoral Consortium Paper. *Proceedings of the ACM Conference on Human Factors (CHI '99) Extended Abstracts*, 1999: 63-64.

Parts of books (chapters in edited books)

- BC.3 Javanmardi, S., **D. W. McDonald**, R. Caruana, S. Forouzan, and C. V. Lopes. Learning To Detect Vandalism in Social Content Systems: A Study On Wikipedia Vandalism Detection in Wikipedia. in Erdem, Özyer, Khoury, and Rokne (eds). *Studies in Mining Social Networks and Security Informatics*. Springer. June 2013.
- BC.2 **McDonald, D.W.** Let's Shack Up: Getting Serious about GIM. in Erickson, and McDonald, (eds). *HCI Remixed: Essays on Works that have Influenced the HCI Community*, MIT Press, Cambridge, MA. 2008
- BC.1 Ackerman, M. S., J. S. Boster, W. G. Lutters and **D.W. McDonald**. Who's There? The Knowledge-Mapping Approximation Project. In *Sharing Expertise: Beyond Knowledge Management*, Ackerman, Pipek, & Wulf (eds). MIT Press, Cambridge, MA 2003: 159-178.

Books edited

- EB.1 Erickson, T. and **D. W. McDonald** (eds.) *HCI Remixed: Essays on Works that have Influenced the HCI Community*. MIT Press, Cambridge, MA. 2008.

Patents submitted and/or awarded

US Patent # 7257774. Systems and Methods for Filtering and/or Viewing Collaborative Indexes of Recorded Media. (with Laurent Denoue, Tohru Fuse, Patrick Chiu and Lynn D. Wilcox). Issued August 14, 2007.

Abstracts, letters, non-refereed papers, technical reports

• Magazine Columns

- M.5 **McDonald, D.W.**, D. H. Ackley, R. Bryant, M. Gedney, H. Hirsh, and L. Shanley. 2014. Antisocial computing: exploring design risks in social computing systems. *interactions* 21, 6 (October 2014), 72-75. <http://doi.acm.org/10.1145/2675705>
- M.4 Consolvo, S., **D. W. McDonald** and J. A. Landay. Designing for Behavior Change in Everyday Life. *IEEE Computer*, June 2009.
- M.3 Yang J., B. N. Schilit and **D. W. McDonald**. Activity Recognition for the Digital Home. *IEEE Computer*, April 2008.
- M.2 Torrey C. and **D. W. McDonald**. How-To Web Pages. *IEEE Computer*, August 2007, 96-97.
- M.1 **McDonald, D. W.** Ubiquitous Recommendation Systems. *IEEE Computer*, October 2003, 111-112.

• Abstract

McDonald, D.W. and M. S. Ackerman. Expertise Locating: a Challenge for Recommender Systems. In Who's Who in Recommender Systems from the Workshop on Recommender Systems at the ACM International Conference on Research and Development in Information Retrieval (SIGIR '01), 2001.

• Thesis

McDonald, D. W. (2000) Supporting Nuance in Groupware Design: Moving from Naturalistic Expertise Location to Expertise Recommendation. Ph.D. Thesis, Information and Computer Science Department, University of California, Irvine.

• **Technical Reports**

TR.2 Kammer, P. J. and **D. W. McDonald**. Putting Words to Work: Integrating Conversation with Workflow Modeling. Technical Report UCI-ICS-99-30, Information and Computer Science Department, University of California, Irvine. August 1, 1999.

TR.1 **McDonald, D. W.** and M. S. Ackerman. Collaborative Refinery: A Collaborative Information Workspace for the World Wide Web. Technical Report 97-03, Information and Computer Science Department, University of California, Irvine. January, 1997.

OTHER SCHOLARLY ACTIVITY

Invited lectures, seminars, and panel presentations

1. University of Maryland, 2012 Summer Social Webshop, “*Design Explorations to Realize Social Translucence in Wikipedia*”, August 21, 2012.
2. Wikimedia Foundation, “*Design Explorations to Realize Social Translucence in Wikipedia*”, June 14, 2012.
3. IEEE International Conference on Pervasive Computing and Communication (PerCom 2011), panel, “*Pervasive and Social Computing: Where are We Heading?*”, March 24, 2011.
4. Computing Systems Lab, Palo Alto Research Center (PARC), “*Evolving Community and the Future of Online Community Research*”, August 6, 2009
5. UW-MSR Summer Institute, “*Problem Solving Probes: Uncovering Conceptual Disconnects with Networked Ensembles*”, July 27, 2009
6. GROUP 2009 Closing Panel, “*Emerging Issues in Social Computing*”, May 13, 2009.
7. Yahoo! Research, “*Appropriation and Creativity in Online Communities*”, August 12, 2008
8. Computing and Information Science, Cornell University, “*Consensus Large and Small: A Complementary Study of Wikipedia Social Practice*”, April 2, 2008
9. Northwest Development Officer’s Association, panel, “*<something> 2.0: Critical Aspects of Online Social Networking Systems*”, March 18, 2008
10. The 2008 Information Schools Conference, panel “*iSchools and Undergraduate Education*”, February 28, 2008.
11. ONE/Northwest, panel, “*Critical Issues in Online Community*”, November 15, 2007
12. Donald Bren School of Information and Computer Sciences, University of California, Irvine, “*Community, Consensus, Coercion, Control: The Importance of CS*W in Wikipedia*”, October 22, 2007
13. The 2006 Information Schools Conference, panel, “*Collaborating on Collaboration: How can we Leverage iSchool Multidisciplinarity to Improve the Study and Design of Communication and Collaboration Technologies*”, October 16, 2006.
14. Google Tech Talk, “*Visual Conversational Styles in Online Communities*”, August 24, 2006
15. UW Design Use Build (DUB) Group, “*Visual Conversational Styles in Online Communities*”, May 3, 2006
16. Intel Corp., Systems Administration Research Team, “*Innovation and Collaboration*”, February 17, 2006
17. GROUP 2005 Closing Panel, “*Visual Interaction to Support Online Community*”, November 9, 2005,
18. Microsoft Social Computing Symposium, “*Community Through Pictures*”, April 26, 2005.
19. Microsoft Research (MSR), “*Making Better Expertise Recommendations*”, June 30, 2003

20. UW Design Computing Seminar, “*Issues in Community Wireless*”, May 22, 2003
21. Intel Research Seattle, “*Social Issues in Self-Provisioned Metropolitan Area Networks*”, July 19, 2002
22. UW Computing & Communications, UW Computing Support Staff Meeting, “*Wireless for Public Access*”, December 18, 2002
23. Workshop on Recommender Systems: Algorithms and Evaluation at the ACM International Conference on Research and Development in Information Retrieval (SIGIR '99), “*Recommenders for Expertise Management*”, August 19, 1999.

Invited Keynotes

1. Keynote Presentation at 2012 Brazilian Symposium on Collaborative Systems (SBSC), “*How A Million People Could Save the Planet: The Next Research Agenda for Collaborative Computing*”, Sao Paulo Brazil, October 18, 2012.
2. Keynote Presentation, SIG USE Symposium, ASIST 2009 Annual Meeting, “*An Issue of Scale: Moving toward a Paradigm of Mass Participation Computing*”, November 7, 2009
3. Keynote Presentation, The 4th International Conference on Communities and Technologies “*The legacy and future of 'community' in NSF; or what have I gotten myself into?*”, June 25, 2009

Professional society memberships.

Association for Computing Machinery, October 1999 – present
ACM SIGCHI, October 1999 – present

Other

Program Committee (Associate Papers Chair)

The International Symposium on Wikis and Open Collaboration (WikiSym) 2009, 2011, 2012
European Conference on Computer Supported Cooperative Work (ECSCW) 2007, 2009, 2011
ACM Conference on Supporting Group Work (GROUP) 2005-2012
ACM Conference on Human Factors in Computing Systems (CHI) 2006-2007, 2011, 2012
ACM Conference on Computer Supported Cooperative Work (CSCW) 2004, 2012-2014
ACM Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI) 2011
Pervasive Displays 2012
Graphics and Interface (GI) 2006

Conference Reviewing

European Conference on Computer Supported Cooperative Work (ECSCW) 2007, 2009, 2011
ACM Conference on Computer Supported Cooperative Work (CSCW) 1998-2006, 2010-2014
ACM Conference on Human Factors in Computing Systems (CHI) 1999, 2002-2004, 2006-2007, 2009-2013
ACM Conference on Supporting Group Work (GROUP) 2001, 2005-2014
International Symposium on Wikis and Open Collaboration (WikiSym) 2009, 2011, 2013
ACM Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI) 2011
International Conference on Pervasive Computing (Pervasive) 2012

International Conference on Ubiquitous Computing (UbiComp) 2006-2007
European Conference on Information Systems (ECIS) 2006, 2008
Hawaii International Conference on Systems Science (HICSS) 2005, 2007
ACM Special Interest Group in Information Retrieval Conference (SIGIR), 2004
ACM Conference on User Interface Systems & Technology (UIST), 2002, 2008
Knowledge Management in Action (KMIA) Conference (at the IFIP World Computer Congress) 2008
Graphics and Interface (GI) 2006
Association for Information Systems (AIS) 2002
IEEE Workshop on Enabling Technologies: Infrastructures for Collaborative Enterprises (IEEE WETICE) 2002-2003

Journal Reviewing

Journal of Computer Supported Cooperative Work (JCSCW), 3
ACM Transactions on Information Systems (TOIS), 2
ACM Transactions on Computer-Human Interaction (TOCHI), 4
Human-Computer Interaction Journal, 1
IEEE Journal on Systems, Man and Cybernetics, 1
IEEE Pervasive, 1
IEEE Internet Computing, 1

Workshop Organizing

NSF Sponsored Social Computational Systems (SoCS) PI and Community Meeting, June 27-29, 2013, Seattle, WA.
NSF Sponsored Doctoral Colloquium at the ACM 2013 Conference on Computer Supported Cooperative Work (CSCW'13).
“Brainstorming Design for Health: Helping Patients Utilize Patient-Generated Information on the Web” at the ACM 2012 Conference on Computer Supported Cooperative Work (CSCW'12).
“Approaching Amateur” at the ACM 2009 International Conference on Supporting Group Work (GROUP'09)
“Designing for Families” at 2008 ACM Conference on Computer Supported Cooperative Work (CSCW'08)
“IT@Home: Unraveling Complexities of Networked Devices in the Home” at 2006 ACM Conference on Human Factors in Computing Systems (CHI'06)
“Social Networks for Design and Analysis: Using Network Information in CSCW” at 2004 ACM Conference on Computer Supported Cooperative Work (CSCW'04)
“Social Networks in the CSCW Context” at the Eighth European Conference on Computer Supported Cooperative Work (ECSCW 2003)
“Recommender Systems” at 2001 ACM Special Interest Group in Information Retrieval Conference (SIGIR'01)

GRADUATE STUDENTS

Chaired Doctoral Degrees

- Michael Gilbert, Ph.D. Autumn 2015, (co-chair with Dr. Mark Zachry) – “NEED THE TITLE”

- Sunny Consolvo, Ph.D. Summer 2008, (chair) “Designing and Evaluating a Persuasive Technology to Encourage Lifestyle Behavior Change” – Research Scientist, Google.com
- Sally Lee, Ph.D. Spring 2008 (co-chair with Dr. Peter Tarczy-Hornoch) “Supporting Multi-institutional, Interdisciplinary Biomedical Collaboration (MIBC): A Biomedical Informatics Approach”
- Chunhua Weng, Ph.D. Spring 2005 (co-chair with Dr. John Gennari) “Supporting Collaborative Clinical Trial Protocol Writing through Annotation Design” – Assistant Professor, Columbia University

Current Doctoral Students

- David Randall, 4th year, The Information School (chair), Passed General Exam, June 2014
- Amanda Menking, 4th year, The Information School (chair), Passed General Exam, September 2015
- Amirah Majid, 3rd year, The Information School (chair), General Exam Early 2016
- Erin Hoffman, 1st year, Human Centered Design & Engineering (chair)

Chaired Masters Degrees

- Robin Sease – M.L.I.S., 2009 (thesis chair) “Everyday Management of the Emerging Personal Digital Media Collection.” – Business Analyst, UC Berkeley Extension

Other significant student supervision

Ph.D. Student Advising (as a committee member)

Katherine Thornton – Information School, passed general exam, 2012
Albert Park, Ph.D. 2015 – Biomedical & Health Informatics
Thai Le, Ph.D. 2014 – Biomedical & Health Informatics
Gifford Cheung, Ph.D. 2013 – Information School, Information Science
Jonathan Morgan, Ph.D. 2013 – University of Washington, Human Centered Design & Engineering
Peyina Lin, Ph.D. 2012 – University of Washington, Information School
Travis Kriplean, Ph.D. 2011 – University of Washington, Computer Science & Engineering
Sara Javanmardi, Ph.D. 2011 – University of California, Irvine, Bren School of Information and Computer Science
Kevin White, Ph.D. 2010 – University of Maryland, Baltimore County
Andrea Civan-Hartzler, Ph.D. 2009, University of Washington, Biomedical and Health Informatics
Jeremy Goecks, Ph.D. 2009 – Georgia Institute of Technology, College of Computing, Interactive Computing
Jeonghwa Yang, Ph.D. 2009 – Georgia Institute of Technology, College of Computing, Interactive Computing

M.S. Thesis Advising (as a committee member)

Heather Guyton – M.A. International Studies, Henry M. Jackson School of International Studies, 2012
Erin O’Brien – M.S. Museology, 2007
Tom Dobrowsky, M.L.I.S. Information School, 2005
Anand Dharia, M.S. Biomedical and Health Informatics, 2004

University of Washington Graduate School Representative (GSR)

Michael Brooks – Human Centered Design & Engineering
 Doug Divine – Human Centered Design & Engineering
 Bob Watson – Human Centered Design & Engineering
 Ivan Beschastnikh – Ph.D. Computer Science & Engineering, 2013
 David Richardson – Ph.D. Computer Science & Engineering, 2012
 Colin Dixon – Ph.D. Computer Science & Engineering, 2011
 Jun Young – Ph.D. Communications, 2009
 Kristen Stecher – Ph.D. Psychology, 2007
 Meghan Dougherty – Ph.D. Communications, 2007
 Robert Tan – Ph.D. Management Science, 2007
 Carolyn Wei – Ph.D. Technical Communications, 2007
 Matthai Philipose – Ph.D. Computer Science & Engineering, 2005
 Jeffrey Hightower – Ph.D. Computer Science & Engineering, 2004

RESEARCH ACTIVITIES

Funded Research

Funding Agency	Title	Your role with other PI's and co-PI's	Total Amount, Your Amount, (Subcontracts if any, University Matching if any)	Dates (start - finish)
NSF	<i>SaTC: EAGER: Computational Propaganda and The Production/Detection of Bots (CNS-1444901)</i>	Co-PI (PI, Howard)	Total amount \$219K, my amount \$100K	9/2014 - present
NSF	<i>HCC: Medium: Enhancing Social Translucence in Systems to Support Virtual Teaming (IIS-1162114)</i>	Co-PI (PI, Zachry)	Total amount \$874K, my amount \$450K	4/2012 - present
NSF	<i>SHB: Small: Facilitating Mentoring in Peer Health Communities through Social Matching (IIS-1117187)</i>	Co-PI (PI, Pratt)	Total amount \$499K, my amount \$250K	9/2011 - present
NSF	<i>NSF – HCC: Workshop: Articulating the Computing Research Agenda in Social Computing Research (IIS-1249835)</i>	PI	Total amount \$43k, my amount \$43k, + \$20K from ACM	9/2012 - present
NSF	<i>SoCS: Workshop: Principle Investigator</i>	PI	Total amount \$98k, my amount \$98k.	9/2012 - 8/2013

	<i>Meeting 2013</i> (IIS-1257254)			
NSF	<i>HCC: Workshop: Computer Supported Cooperative Work 2013 Doctoral Research Colloquium</i> (IIS-1305728)	PI	Total amount \$24k, my amount \$24k.	11/2012 – 10/2013
NSF	<i>FODAVA II - The Science of Interaction Workshop</i> (IIS-1144379)	Co-PI (PI, Ebert)	Total amount \$49k, my amount \$0k.	9/2011 – 8/2012
NSF	<i>HCC: Informing Social Translucence with Open Composable Online Reputation Systems</i> (IIS-0811210)	PI (Transferred to PI Zachry to resolve fiduciary COI from NSF Rotator Service)	Total amount \$429k, my amount \$429k.	9/2008 – 8/2012
NSF	<i>SGER HCC: Conceptualizing Interoperability Problem Solving in the Networked Home</i> (IIS-0742750)	PI (Transferred to PI Pratt to resolve fiduciary COI from NSF Rotator Service)	Total amount \$79k, my amount \$79k.	9/2007 – 3/2009
UW RRF	<i>Technology in Transition: The Cooperative Appropriation of Wireless Networking</i>	PI	Total amount \$33k, my amount \$33k.	4/2003 – 4/2005

Corporate Gifts

Intel Corporation (collaborative projects, multiple gifts, 2003-2006)	\$110,000
Microsoft Corporation, open support, gift (2005)	\$15,000

DOCUMENTATION OF TEACHING EFFECTIVENESS

Courses Taught & Student Evaluations

Note: Evaluations with ** missing scores were irrecoverably mangled in the process of scanning and digitization, I only saved the summary score. Evaluations with * scores represent courses where I co-taught, helping to train a lecturer, but was not the instructor of record and only received the summary scores.

Course	Title	Quarter	Year	Type	Credits	Enrolled	Item 1	Item 2	Item 3	Avg 1-4
HCDE 530	Computational Concepts in HCDE	Winter	2016	Elective	4.0	n/a	n/a	n/a	n/a	n/a
HCDE	Seminar:	Autumn	2015	Required	1.0	81	n/a	n/a	n/a	n/a

521	Current Issues In Human Centered Design And Engineering									
HCDE 521	Seminar: Current Issues In Human Centered Design And Engineering	Autumn	2014	Required	1.0	94	3.9	4.1	4.0	4.0
INFO 447	Computer-Supported Cooperative Work	Winter	2014	Elective	5.0	15	3.9	4.0	4.1	4.0
INFX 547	Social Media Data Mining and Analysis	Winter	2014	Elective	4.0	52	3.8	3.7	4.2	3.9
INFO 447	Computer-Supported Cooperative Work	Winter	2013	Elective	5.0	20	2.9	2.8	4.4	3.5
INSC 547	Social and Collaborative Computing	Winter	2013	Elective	4.0	6	3.8	3.3	3.7	3.6
INFO 360 (A)	Design Thinking	Autumn	2013	Core	5.0	39	3.2	3.3	3.9	3.6
INFO 360 (B)	Design Thinking	Autumn	2013	Core	5.0	40	3.5	3.3	3.8	3.6
INFO 447	Computer-Supported Cooperative Work	Winter	2012	Elective	5.0	32	**	**	**	1.8
IMT 589	Social Media Data Mining and Analysis	Winter	2012	Elective	4.0	17	**	**	**	3.9
INFO 360	Design Thinking	Autumn	2012	Core	5.0	33	3.0	3.0	3.5	3.3
INFO 341	Networking and Distributed Applications	Autumn	2012	Elective	5.0	22	3.9	4.3	4.0	4.0
INSC 547	Social and Collaborative Computing	Winter	2011	Elective	4.0	10	3.5	3.5	3.5	3.6
INFO 490	System Design and Development Capstone	Spring	2011	Core	8.0	24	4.1	3.9	3.6	3.9
INFO 360	Design Thinking	Autumn	2011	Core	5.0	29	3.6	3.7	4.2	3.8

INFO 341	Networking and Distributed Applications	Autumn	2011	Elective	5.0	32	4.1	4.0	4.0	4.1
INFO 341	Networking and Distributed Applications	Autumn	2010	Elective	5.0	34	4.1	4.2	4.7	4.3
INFO 447	Computer-Supported Cooperative Work	Autumn	2010	Elective	5.0	29	2.9	3.2	3.6	3.1
INFO 341	Networking and Distributed Applications	Winter	2008	Core	5.0	30	3.8	4.2	4.6	4.1
INSC 572	Qualitative Research Methods	Winter	2007	Core	5.0	8	4.4	4.2	4.7	4.4
INFO 447	Computer-Supported Cooperative Work	Winter	2007	Elective	5.0	10	4.5	4.4	4.8	4.6
INFO 440	Design for Interaction and Systems	Autumn	2007	Core	5.0	35	2.7	3.0	2.7	2.7
INFO 490	System Design and Development Capstone	Winter	2006	Core	8.0	37	3.6	3.3	3.2	3.4
INFO 491	Research Capstone	Winter	2006	Core	4.0	2	*	*	*	3.4
INFO 490	System Design and Development Capstone	Spring	2006	Core	8.0	25	*	*	*	3.1
INFO 491	Research Capstone	Spring	2006	Core	4.0	2	*	*	*	3.1
INFO 447	Computer-Supported Cooperative Work	Spring	2006	Elective	5.0	18	3.9	4.0	4.2	4.1
INFO 198	Freshman Seminar: Digital Living	Autumn	2006	Elective	1.0	3	3.1	3.3	3.9	3.7
INFO 440 (A)	Design for Interaction and Systems	Autumn	2006	Core	5.0	21	3.9	4.0	4.1	4.0
INFO 440 (B)	Design for Interaction and Systems	Autumn	2006	Core	5.0	35	4.0	4.0	4.2	4.1
INFO 490	System Design and	Winter	2005	Core	8.0	30	4.0	4.3	4.0	4.1

	Development Capstone									
INFO 447	Computer-Supported Cooperative Work	Winter	2005	Elective	5.0	18	3.9	3.8	4.2	4.0
INFO 490	System Design and Development Capstone	Winter	2004	Core	8.0	22	3.6	3.6	3.3	3.4
INSC 498	Special Topics: Foundations of Collaboration	Winter	2004	Elective	3.0	7	4.6	4.2	4.7	4.6
IMT 546	Networking and Data Communications	Autumn	2004	Core	4.0	30	3.7	3.3	3.7	3.6
INFO 341	Networking and Distributed Applications	Winter	2003	Core	5.0	35	3.2	4.0	2.4	3.1
INFO 490	System Design and Development Capstone	Winter	2003	Core	4.0	24	3.7	3.6	4.1	3.8
INFO 490	System Design and Development Capstone	Spring	2003	Core	4.0	24	3.7	3.6	4.1	3.8
INFO 490	System Design and Development Capstone	Winter	2002	Core	8.0	15	4.2	3.7	4.3	4.2
INFO 341	Networking and Distributed Applications	Spring	2002	Core	5.0	28	3.9	4.1	4.4	4.2
IMT 546	Networking and Data Communications	Autumn	2002	Core	4.0	30	3.7	3.6	3.8	3.7
INFO 447	Computer-Supported Cooperative Work	Autumn	2002	Elective	5.0	15	4.0	4.0	4.5	4.2

SERVICE

iSchool service

HCI Faculty Search Committee (chair)	9/07-6/08
M.S. Information Management Program Committee	9/10-6/14
M.S. Information Management Admissions Committee	9/10-9/11
Doctoral Admissions Committee	9/07-6/08, 9/10-6/14
Doctoral Program Committee	9/07-6/08, 9/13-6/14

Informatics Program Chair	4/04-12/06
Informatics Admissions Committee	9/03-6/07
Informatics Program Committee	9/03-6/07
Lectures & Colloquia Committee	1/02-6/04
Social Committee	9/03-6/04
Faculty Development Committee	1/02-6/02

University service

Chancellor Search Advisory Committee University of Washington, Bothell	6/05-6/06
Educational Outreach Advisory Board for Wireless Technology	9/04-6/07
Educational Outreach Advisory Board for Virtual Worlds	9/08-6/14
Mary Gates Endowment Reviewer	2004, 2005, 2011
Royalty Research Fund (RRF) Reviewer	2012, 2014

Professional society and other service

Conference Organizing

- Papers & Notes Co-Chair, ACM Conference on Computer Supported Cooperative Work (CSCW) 2015
- Program Co-Chair, ACM Conference on Supporting Group Work (GROUP) 2014
- Doctoral Colloquium Co-Chair, ACM Conference on Computer Supported Cooperative Work (CSCW) 2013
- Best Papers Committee Chair, ACM Conference on Computer Supported Cooperative Work (CSCW) 2012
- Conference Co-Chair, ACM Conference on Computer Supported Cooperative Work (CSCW) 2008
- Proceedings Chair, ACM Conference on Supporting Group Work (GROUP) 2007
- Treasurer, The International Conference on Ubiquitous Computing (UbiComp) 2003
- Treasurer, ACM Conference on Computer Supported Cooperative Work (CSCW) 2002

International, national or governmental service

National Science Foundation Review Panels

- NSF review panels in 2002, 2005, 2008, 2011, 2015
- NSF ad-hoc reviews in 2003, 2008

International Scientific Review

- Fundação para a Ciência e a Tecnologia (Portuguese Foundation for Science and Technology), ad-hoc review 2012