Mark W. Newman

Assistant Professor
University of Michigan
School of Information
105 S. State St.
Ann Arbor, Michigan 48109

Tel. +1 734 764 0020
Fax. +1 734 764 0020
mwnewman@umich.edu
http://mwnewman.people.si.umich.edu

EDUCATION

1997-2007	University of California, Berkeley, CA
	Ph.D. in Computer Science, 2007
	Dissertation: Supporting End-User Composition in Ubiquitous Computing Environments
	Advisors: James Landay and John Canny
	M.S., 1992
1994-1997	University of Minnesota, Minneapolis, MN
	Computer Science Coursework, GPA: 4.0/4.0
1990-1992	Macalester College, St Paul, MN
	B.A. in Philosophy
1988-1990	Bryn Mawr College, Bryn Mawr, PA

PROFESSIONAL EXPERIENCE

2007-Present	School of Information, University of Michigan
	Computer Science and Engineering, University of Michigan
	Assistant Professor
2000-2007	Palo Alto Research Center, Palo Alto, CA (formerly Xerox PARC)
	Member of Research Staff I-II in the Computer Science Laboratory
	Research in the Distributed Systems Area and Ubiquitous Computing Area
1999-2000	Netraker Corporation, Sunnyvale, CA
	User Experience Designer
1997-2000	University of California, EECS Department, Berkeley, CA
	Graduate Student Researcher & Instructor
	Research with Professor James Landay in the Group for User Interface Research
	Teaching assistant for CS 162: Operating Systems and System Programming, Teaching Assistant for CS 61B: Data Structures
1998	DEC/Compaq Western Research Laboratory
	Research Intern
	Research with Norm Jouppi on Mutual Immersive Telepresence project
1996-1997	Honeywell Technology Center, Minneapolis, MN
	Software Developer
	Developer on Honeywell Home Control product

TEACHING EXPERIENCE

University of Michigan, SI 612: Pervasive Interaction Design, Winter 2011.

University of Michigan, SI 622: Evaluation of Systems and Services, Winter 2008, Winter 2009, Winter 2010, Winter 2011.

University of Michigan, SI 688: Fundamentals of Human Behavior, Fall 2009, Fall 2010.

University of Michigan, Human Factors Engineering Short Course, Trends in HCI & Cost Benefit Analysis for HCI, Summer 2008, Summer 2009.

University of California at Berkeley. Graduate Student Instructor. *CS 162: Operating Systems and System Programming*. Spring 1998. **Received Outstanding Graduate Student Instructor Award.**

University of California at Berkeley. Graduate Student Instructor. *CS 61B: Data Structures*, Fall 1997.

Macalester College, Teaching Assistant. *PHIL 120: Introduction to Symbolic Logic,* Fall 1991.

REFEREED PUBLICATIONS

Note: Names of student co-authors are <u>underlined</u>.

Refereed Journal Articles

Experiences with recombinant computing: Exploring ad hoc interoperability in evolving digital networks. W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, and Trevor F. Smith. *ACM Transactions on Computer-Human Interaction* **16**(1). 2009.

Supporting the Unremarkable: Experiences with the Obje Display Mirror. Mark W. Newman, Nicolas Ducheneaut, W. Keith Edwards, Jana Z. Sedivy, and Trevor F Smith. *Personal and Ubiquitous Computing* **11**(7). 2007.

An Extensible Set-Top Box Platform for Home Media Applications, W. Keith Edwards, Mark W. Newman, Trevor F Smith, Jana Z. Sedivy, Shahram Izadi. *IEEE Transactions on Consumer Electronics* **51**(4). 2005.

Supporting Serendipitous Integration in Mobile Computing Environments, W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, Trevor F Smith. *International Journal of Human Computer Studies* **60**(5/6), 2004.

DENIM: An Informal Web Site Design Tool Inspired by Observations of Practice, Mark W. Newman, James Lin, Jason I. Hong, and James A. Landay. *Human Computer Interaction* **18**(3). 2003.

Refereed Conference Papers

Supporting Collaborative Help for Individualized User. <u>Jina Huh</u>, Mark W. Newman, Mark S. Ackerman. In *Proceedings of the SIGCHI conference on Human factors in computing systems (CHI 2011)*. Vancouver, BC, Canada. 2011.

"It's not that I don't have problems, I'm just not putting them on Facebook": Challenges and Opportunities in Using Online Social Networks for Health. Mark W. Newman, <u>Debra Lauterbach</u>, <u>Sean A Munson</u>, Paul Resnick, Margaret E. Morris. In *Proceedings of the Conference on Computer Supported Cooperative Work (CSCW 2011)*. Hangzhou, China. 2011.

Bringing the field into the lab: supporting capture and replay of contextual data for the design of context-aware applications. Mark W. Newman, Mark S. Ackerman, <u>Jungwoo Kim</u>, Atul Prakash, <u>Zhenan Hong</u>, Jacob Mandel, and <u>Tao Dong</u>. In *Proceedings of the 23nd annual ACM symposium on User interface software and technology (UIST '10) (Technical Note)*. New York, NY, USA. 2010.

Routines That Ease the Pain: The Information World of a Dialysis Clinic. Tiffany C. Veinot, <u>Chrysta C. Meadowbrooke</u>, Mark W. Newman, Kai Zheng, Erica E. Perry. In *Proceedings of the American Society for Information Science & Technology Annual Conference (ASIST 2010)*. Pittsburgh, PA, USA. 2010.

Using online peer-mentoring to empower young adults with end-stage renal disease: A feasibility study. Kai Zheng, Mark W. Newman, Tiffany C. Veinot, Hyojeong Kim, <u>Chrysta C. Meadowbrooke</u>, Erica E. Perry. In *Proceedings of the American Medical Informatics Association Annual Symposium (AMIA 2010)*. Washington, DC, USA. 2010.

Progressive scenarios: a rapid method for understanding user interpretations of technology. <u>Jina Huh</u>, Mark S. Ackerman, Mark W. Newman, Ayse G. Buyuktur. In *Proceedings of the 16th ACM international conference on Supporting group work (GROUP 2010) (Short Paper)*. 2010.

Happier Together: Integrating a Wellness Application Into a Social Network Site. <u>Sean Munson</u>, <u>Debra Lauterbach</u>, Mark W. Newman, and Paul Resnick. In *Proceedings of the 5th international conference on Persuasive Technology (PERSUASIVE 2010)*. Copenhagen, Denmark. 2010.

Automatic assessment of cognitive impairment through electronic observation of object usage. <u>Mark R. Hodges</u>, Ned L. Kirsh, Mark W. Newman and Martha E. Pollack. In *Proceedings of the 8th international conference on Pervasive computing (PERVASIVE 2010)*. Helsinki, Finland. 2010.

The infrastructure problem in HCI. W. Keith Edwards, Mark W. Newman and <u>Erika S. Poole</u>. In *Proceedings of the SIGCHI conference on Human factors in computing systems (CHI 2010)*. Atlanta, GA, USA. 2010.

Multi-Format Notifications for Multi-Tasking. <u>Julie S. Weber</u>, Mark W. Newman, and Martha E. Pollack. In *Proceedings of the 12th IFIP Conference on Human-Computer Interaction (INTERACT 2009)*. Upsala, Sweden. 2009.

Sharing Map Annotations in Small Groups: X Marks the Spot. <u>Ben Congleton</u>, <u>Jaqueline Cerretani</u>, Mark W. Newman, and Mark S. Ackerman. In *Proceedings of the 12th IFIP Conference on Human-Computer Interaction (INTERACT 2009)*. Upsala, Sweden. 2009.

The ProD Framework for Proactive Displays. <u>Ben Congleton</u>, Mark S. Ackerman, and Mark W. Newman. In *Proceedings of the 21st annual ACM symposium on User interface software and technology (UIST 2008)*. Monterrey, CA, USA, 2008.

Accessible Contextual Information for Urban Orientation (Note). <u>Jason Stewart</u>, <u>Sara Bauman</u>, <u>Michelle Escobar</u>, <u>Jakob Hilden</u>, <u>Kumud Bihani</u>, and Mark W. Newman. In *Proceedings of the 10th international conference on Ubiquitous computing (UbiComp 2008)*. Seoul, Korea. 2008.

Providing an Integrated User Experience of Networked Media, Devices, and Services Through End-User Composition. Mark W. Newman, Ame Elliott, and Trevor F. Smith. In *Proceedings of the International Conference on Pervasive Computing (PERVASIVE '08)*. Sydney, Australia, 2008.

Escape: A Target Selection Technique Using Visually-cued Gestures. <u>Koji Yatani</u>, Kurt Partridge, Marshall Bern, and Mark W. Newman. In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI 2008)*. Florence, Italy, 2008.

Activity-Based Serendipitous Recommendations with the Magitti Mobile Leisure Guide. Victoria Bellotti, Bo Begole, Ed H. Chi, Nicolas Ducheneaut, Ji Fang, Ellen Isaacs, Tracy King, Mark W. Newman, Kurt Partridge, Bob Price, Paul Rasmussen, Michael Roberts, Diane J. Schiano, Alan Walendowski. In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI 2008)*. Florence, Italy, 2008.

Share and share alike: exploring the user interface affordances of file sharing. <u>Stephen Voida</u>, W. Keith Edwards, Mark W. Newman, Rebecca E. Grinter, and Nicolas Ducheneaut In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI 2006)*. Montreal, Canada. 2006.

The Work to Make a Home Network Work. Rebecca E. Grinter, W. Keith Edwards, Mark W. Newman, Nicolas Ducheneaut. In Proceedings of *the Ninth European Conference on Computer-Supported Cooperative Work (ECSCW'05)*. Paris, France. 2005.

Listening In: Practices Surrounding iTunes Music Sharing. <u>Amy Voida</u>, Rebecca E. Grinter, Nicolas Ducheneaut, W. Keith Edwards, and Mark W. Newman. In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI 2005)*. CHI Letters **7**(1). Portland, OR, USA. 2005. **Best Paper Award.**

Stuck in the Middle: The Challenges of User-Centered Design and Evaluation of Infrastructure, W. Keith Edwards, Victoria Bellotti, Anind K. Dey, and Mark W. Newman. In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI 2003)*. Fort Lauderdale, FL, USA. 2003

Challenge: Recombinant Computing and the Speakeasy Approach, W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, Trevor F Smith, and <u>Shahram Izadi</u>. In *Proceedings of the Eighth ACM International Conference on Mobile Computing and Networking (MobiCom 2002)*. Atlanta, GA, USA. 2002.

Using Speakeasy for Ad Hoc Peer-to-Peer Collaboration, W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, Trevor F Smith, Dirk Balfanz, and D.K. Smetters. *In Proceedings of the ACM Conference on Computer-Supported Cooperative Work (CSCW 2002)*. New Orleans, LA, USA. 2002.

User Interfaces When and Where They are Needed: An Infrastructure For Recombinant Computing, Mark W. Newman, <u>Shahram Izadi</u>, W. Keith Edwards, Jana Z. Sedivy, and Trevor F Smith. In Proceedings of *ACM Symposium on User Interface Software and Technology (UIST 2002)*. Paris, France. 2002.

Designing for Serendipity: Supporting End-User Configurations of Ubiquitous Computing Environments, Mark W. Newman, Jana Z. Sedivy, W. Keith Edwards, Trevor F Smith, Karen Marcelo, Christine M. Neuwirth, <u>Jason I. Hong</u>, and <u>Shahram Izadi</u>. In Proceedings of *ACM Conference on Designing Interactive Systems (DIS 2002)*. London, UK. 2002.

The Designers' Outpost: A Tangible Interface for Collaborative Web Site Design, Scott R. Klemmer, Mark W. Newman, Ryan Farrell, Mark Bilezikjian, James A. Landay. In Proceedings of *ACM Symposium on User Interface Software and Technology (UIST 2001)*. Orlando, FL, USA. 2001.

Sitemaps, Storyboards, and Specifications: A Sketch of Web Site Design Practice as Manifested Through Artifacts, Mark W. Newman and James A. Landay. Proceedings of *ACM Conference on Designing Interactive Systems (DIS 2000)*, New York, NY, USA. 2000.

DENIM: Finding a Tighter Fit with Web Design Practice. James Lin, Mark W. Newman, Jason I. Hong, and James A. Landay. In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI 2000)*. The Hague, The Netherlands. 2000.

Shared Remote Control of a Videoconferencing Application: Motivation, Design, and Implementation. Todd Hodes, Mark Newman, Steven McCanne, Randy Katz, and James Landay. In Proceedings of *SPIE Multimedia Computing and Networking (MMCN 1999)*, San Jose, CA, USA. 1999.

Invited Journal and Magazine Articles

Simplifying user-controlled privacy policies (work in progress). Mark S. Ackerman, <u>Tao Dong</u>, <u>Scott Gifford, Jungwoo Kim</u>, Mark W. Newman, Atul Prakash and <u>Sarah Qidwai</u>. *IEEE Pervasive Computing* **8**(4). 2009.

Recipes for Digital Living. Mark W. Newman, Bill Schilit, Trevor F Smith. *IEEE Computer* **39**(2). Feb. 2006.

Bringing Network Effects to Pervasive Spaces. W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, and Trevor F. Smith. *IEEE Pervasive Computing* **4**(3), July-September 2005.

Invited Book Chapters

Supporting Extensible Public Display Systems with Speakeasy, <u>Julie A. Black</u>, W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, Trevor F Smith, *in Public and Situated Displays: Social and Interactional Aspects of Shared Display Technologies*, Kenton O'Hara, Mark Perry, Elizabeth Churchill, and Daniel Russel eds. Kluwer Academic Publishers. 2003.

Weakly Reviewed Short Papers, Videos, Demos, and Posters

Supporting Visually Impaired Navigation: A Needs-finding Study. Pablo-Alejandro Quinones, Tammy Greene, Rayoung Yang, Mark W. Newman. In Extended Abstracts of *the ACM conference on Human factors in computing systems (CHI 2011)* (Work in progress). Boston, MA. 2009.

SuChef: An in-kitchen display to assist with "Everday" Cooking. <u>Joshua Palay</u> and Mark W. Newman. In Extended Abstracts of *the ACM conference on Human factors in computing systems (CHI 2009)* (Work in progress). Boston, MA. 2009.

Montage: A platform for physically navigating multiple pages of web content. <u>David Lee</u>, <u>Sean A. Munson</u>, <u>Ben Congleton</u>, Mark S. Ackerman, Mark W. Newman, Erik C. Hofer and Thomas A. Finholt. In Extended Abstracts of *the ACM conference on Human factors in computing systems (CHI 2009)* (Work in progress). Boston, MA. 2009.

The orbital browser: composing ubicomp services using only rotation and selection. Nicolas Ducheneaut, Trevor F Smith, James "Bo" Begole, Mark W. Newman, and Chris Beckmann. In Extended Abstracts of *ACM Conference on Human Factors in Computing Systems (CHI 2006)* (alt.chi Short Paper). Montreal, Canada. 2006.

The sharing palette: a user interface for file and service sharing. <u>Stephen Voida</u>, W. Keith Edwards, and Mark W. Newman, In Extended Abstracts of *ACM Symposium on User Interface Software and Technology (UIST 2004)* (Poster), Santa Fe, NM. 2004.

DENIM: An Informal Tool for Early Stage Web Site Design, James Lin, Mark W. Newman, Jason I. Hong, James A. Landay, In Extended Abstracts of *ACM Conference Human Factors in Computing Systems (CHI 2001)* (Video). Seattle, WA. 2001.

Informal PUIs: No Recognition Required, James A. Landay, Jason I. Hong, Scott R. Klemmer, James Lin, and Mark W. Newman. In Proceedings of *AAAI 2002 Spring Symposium: Sketch Understanding Workshop* (Short Paper). Stanford, CA. 2002.

DENIM: An Informal Sketch-based Tool for Early Stage Web Design. In *AAAI 2002 Spring Symposium: Sketch Understanding Workshop*. (Demo). Stanford, CA. 2002.

SWAMI: A Framework for Collaborative Filtering Algorithm Development and Evaluation. Danyel Fisher, Kris Hildrum, Jason Hong, Mark Newman, Megan Thomas, and Richard Vuduc. In Proceedings of *ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2000)* (Poster). Athens Greece. 2000.

The Designer's Outpost: A Task-Centered Tangible Interface for Web Site Information Design. Scott R. Klemmer, Mark W. Newman, and Raecine Sapien. In Extended Abstracts of *ACM Conference on Human Factors in Computing Systems (CHI 2000)* (Poster). The Hague, The Netherlands. 2000.

Workshops and Conferences without Proceedings

Tao Dong, Jina Huh, Mark W. Newman, and Mark S. Ackerman. Supporting Re-Use in DIY Software Projects: A Gray-Box Approach. *ACM Conference on Computer Supported Cooperative Work (CSCW 2011) Workshop: Tinkering, Crafts and Inventive Leisure Practices.* Hangzhou, China. Mar. 2011.

Supporting group activities with context-adaptive privacy policies. Tao Dong, Zhe Pu, Mark W. Newman, Mark S. Ackerman and Atul Prakash. *ACM conference on Human factors in computing systems (CHI 2010) Workshop: Context-Adaptive Interaction for Collaborative Work.* Atlanta, GA, Apr. 2010.

Capture and replay of contextual data for the design of context-aware collaborative applications. Jungwoo Kim, Mark W. Newman, Mark S. Ackerman, Atul Prakash, Tao Dong and Sarah Qidwai. *ACM conference on Human factors in computing systems (CHI 2010) Workshop: Context-Adaptive Interaction for Collaborative Work.* Atlanta, GA, Apr. 2010.

Integrating wellness interventions with existing social network sites. Sean A. Munson, Debra Lauterbach, Mark W. Newman, Paul Resnick and Margaret E. Morris. *ACM conference on Human factors in computing systems (CHI 2010) Workshop: Wellness Informatics.* Atlanta, GA, Apr. 2010.

Reducing health disparities in end stage renal disease: An online peer mentoring approach. Tiffany C. Veinot, Kai Zheng, Mark W. Newman, Erica E. Perry, Chrysta C. Meadowbrooke. *ACM Conference on Human Factors in Computing Systems (CHI 2010) Workshop on Interactive Systems in Healthcare (WISH).* Atlanta, GA. April, 2010.

The opportunity of social computing to make us healthier together. Sean A. Munson, Debra Lauterbach, Mark W. Newman, Paul Resnick and Margaret E. Morris. *ACM Conference on Computer Supported Cooperative Work (CSCW '10) Workshop: CSCW Research in Healthcare: Past, Present, and Future.* Savannah, GA, Feb. 2010.

Reflecting on Mood and Movement. Brett Clippingdale, Mark W. Newman, Martha E. Pollack, and Michael A. Fauman. *ACM Conference on Human Factors in Computing Systems (CHI 2009) Workshop: Designing for Reflection.* Boston, MA, Apr. 2009.

Suresh K. Bhavnani, Mark W. Newman, Tiffany C. Veinot, Kai Zheng. The role of HCI in translational and clinical science: Untapped opportunities for broad Social impact. *Human-Computer Interaction Consortium Workshop (HCIC 2009).* Snow Mountain Ranch, CO, February, 2009.

Object-Use Activity Monitoring: Feasibility for People with Cognitive Impairments. Mark R. Hodges, Mark W. Newman, and Martha E. Pollack. *AAAI 2009 Spring Symposium on Human Behavior Modeling*, Stanford, CA, Mar. 2009

Talking-Points: A Mobile, Context-based Information System for Urban Orientation of Sighted and Visually-Impaired Users. Michelle Escobar, Mark W. Newman, Jason Stewart, Jakob Hilden, Kumud Bihani, and Sara Bauman. *Accessible Design for the Digital World (ADDW 2008)*, York, UK, 2008.

Pervasive Help @ Home: Connecting People Who Connect Devices. Mark W. Newman and Mark S. Ackerman. *International Conference on Pervasive Computing (PERVASIVE '08) Workshop: Pervasive Computing @ Home.* Sydney, Australia, 2008.

Paradiddle: An Exploration of a One-Handed Tap-Based Text Entry Technique. Seungyon "Claire" Lee, Mark W. Newman, and Kurt E. Partridge. *International Conference on Pervasive Computing (PERVASIVE '08) Workshop: Pervasive Mobile Interaction Devices (PERMID 2007).* Toronto, Canada, 2007.

Now We're Cooking: Recipes for Digital Living. Mark W. Newman. *ACM Conference on Human Factors in Computing Systems (CHI 2006) Workshop: IT@Home.* Montreal, Canada. 2006.

Support for End-User Composition in Ubiquitous Computing Environments. Mark W. Newman. *International Conference for Ubiquitous Computing (Ubicomp 2004) Doctoral Colloquium.* Nottingham, UK. 2004.

Speakeasy: A Platform for Interactive Public Displays, Julie A. Black, Jason I. Hong, Mark W. Newman, W. Keith Edwards, Shahram Izadi, Jana Z. Sedivy, Trevor F Smith. *ACM Conference on Computer-Supported Cooperative Work (CSCW 2002) Workshop on Public, Community, and Situated Displays: Design, Use, and Interaction Around Shared Information*. New Orleans, LA. 2002.

Towards a Unified Interaction Framework for Ubicomp User Interfaces. Jason I. Hong, Scott Lederer, and Mark W. Newman. *International Conference on Ubiquitous Computing (Ubicomp 2002) Workshop: Models for Ubiquitous Computing*. Goteberg, Sweden. 2002.

Recombinant Network Components, Mark W. Newman, Jana Z. Sedivy, and W. Keith Edwards. *ACM Conference on Computer-Supported Cooperative Work (CSCW 2000) Workshop: Technologies That Cross Boundaries: Exploring the Gap Between Wireless Networks, Bits, Interfaces, and Mobile Work Practices*. Philadelphia, PA. 2000.

Fluid Representations of Context for Recombinant Network Components, W. Keith Edwards, Mark W. Newman, and Jana Z. Sedivy. *ACM Conference on Computer-Supported Cooperative Work (CSCW 2000) Workshop: Exploring the Framework of Context Awareness in Cooperative Systems*. Philadelphia, PA. 2000.

A Tangible Difference: Participatory Design Studies Informing a Designers' Outpost, Scott Klemmer, Mark Newman, Ryan Farrell, Raecine Meza, and James A. Landay *ACM Conference on Computer-Supported Cooperative Work (CSCW 2000) Workshop: Shared Environments to Support Face-to-Face Collaboration*, Philadelphia, PA. 2000.

The Shadow: A Personal Experience Capture System. James A. Landay, Mark Newman, and Jason Hong. In Proceedings of *1998 DARPA/NIST Smart Spaces Workshop*.1998.

UNREFEREED PUBLICATIONS

Theses and Technical Reports

End-User Service Composition in Ubiquitous Computing Environments, Mark W. Newman, Ph. D. Dissertation University of California, Berkeley Department of Electrical Engineering and Computer Sciences. Technical Report UCB/EECS-2007-138, Nov. 2007.

Paradiddle: minimizing input latency in mobile text entry. Seungyon "Claire" Lee, Mark W. Newman, Kurt E. Partridge. Palo Alto Research Center Technical Report TR-07-3. July 2007.

The Case for Recombinant Computing, W. Keith Edwards, Mark W. Newman, and Jana Z. Sedivy. *Xerox Palo Alto Research Center Technical Report CSL-01-1*. April 20, 2001.

A Tangible Evolution: System Architecture and Participatory Design Studies of the Designers' Outpost, Scott R. Klemmer, Mark W. Newman, Ryan Farrell, Raecine Meza, and James A. Landay, *UC Berkeley Computer Science Division Technical Report, UCB//CSD-00-1117*. November 2000.

INVITED TALKS

Talking Points: A Mobile Orientation and Information System for the Visually Impaired. Sigma Xi. Ford Research and Innovation. December, 2010.

Talking Points: A Mobile Orientation and Information System for the Visually Impaired. World Usability Day. Michigan State University. November, 2010.

Collaborative Configuration in Next-Generation Networks. Cisco/Intel Home Services Summit. November, 2010.

Cost-Effective Usability Evaluation. Center for Health Communication Research. University of Michigan. Ann Arbor, MI, USA. March, 2010.

End User Composition in Ubiquitous Computing Environments. University of Illinois. Champaign, IL, USA. April, 2007.

End User Composition in Ubiquitous Computing Environments. Drexel University. Philadelphia, PA, USA. March, 2007.

End User Composition in Ubiquitous Computing Environments. University of Michigan. Ann Arbor, MI, USA. March, 2007.

End User Composition in Ubiquitous Computing Environments. IBM Almaden. San Jose, CA, USA. Februrary, 2005.

End User Composition in Ubiquitous Computing Environments. Berkeley Institute of Design. Berkeley, CA, USA. December, 2005.

End User Composition in Ubiquitous Computing Environments. Sun Microsystems. Menlo Park, CA, USA. May, 2005.

End User Composition in Ubiquitous Computing Environments. Stanford University Seminar on People, Computers, and Design. Palo Alto, CA, USA. November, 2004.

The Speakeasy Recombinant Computing Project. Intel Research Seattle. Seattle, WA, USA. June, 2003.

Informal User Interfaces for Design and Communication. (with James A. Landay and James Lin) BayCHI: The San Francisco Bay Area Chapter of ACM SIGCHI. Palo Alto, CA, USA. September, 1999.

An Investigation into Web Site Design Practice. Mark W. Newman. UC Berkeley Multimedia, Interfaces, and Graphics Seminar. Berkeley, CA, USA. March, 1999.

PROFESSIONAL ACTIVITIES

Committee Chairs

Human Computer Interaction Consortium (HCIC), Program Co-Chair, 2011

ACM Conference on Human Factors in Computing Systems (CHI), Works-In-Progress Co-Chair, 2011

ACM Conference on Computer Supported Cooperative Work (CSCW), Demos Co-Chair, 2008

Program Committees

World Wide Web Conference (WWW), User Interfaces/Rich Interaction Area Program Committee, 2011

ACM Conference on Supporting Group Work (GROUP) , Technical Program Committee, 2010

ACM Conference on Computer Supported Cooperative Work (CSCW), Papers and Notes Program Committee, 2008, 2010

ACM Conference on Intelligent User Interfaces (IUI), Technical Program Committee, 2008, 2009

International Conference on Ubiquitous Computing (UbiComp), Demonstrations Program Committee, 2003

Grant Referee

National Science Foundation (2009, 2011)

Workshop Organizer

Ultra-large-scale interaction. Part of CRA/CCC Interactive Technology Workshops. Chicago, IL, USA. 2010. (with Mark S. Ackerman and W. Keith Edwards)

Ubiquitous computing in next generation conference rooms: interweaving rich media, mobile devices, and smart environments, at Ubicomp 2005. Tokyo, Japan. (with Maribeth Back, Patrick Chiu, Jun Miyazaki, Kazunori Horikiri, Okude Naohito, and Jeffrey Huang)

Building the Ubiquitous Computing User Experience, at CHI 2001. Seattle, WA, USA. (with W. Keith Edwards and Jana Z. Sedivy)

Journal Referee

International Journal of Web Based Communities (IJWBC) (2010)

ACM Transactions on Computer-Human Interaction (2008)

IEEE Pervasive Computing: Mobile and Ubiquitous Systems (2003, 2004, 2008)

International Journal of Human-Computer Studies (2008)

Theory of Computing Systems (2006)

IEEE Internet Computing (2001)

Conference Referee

ACM Conference on Human Factors in Computing Systems (2000, 2002-2009, 2011). *Received special recognitions for exceptional reviews in 2003, 2004, and 2005.*

UIST: ACM Symposium on User Interface Software and Technology (1999-2010)

CSCW: Computer Supported Cooperative Work (2002, 2004, 2011)

Ubicomp: International Conference on Ubiquitous Computing (2001, 2003-2007, 2009)

Pervasive: International Conference on Pervasive Computing (2009)

Campus and Departmental Activities

Michigan Interactive and Social Computing, Founder and Coordinator (2010-2011)

Faculty Search Committee (2010-2011)

Doctoral Committee (2007-2010)

Dean's Advisory Committee (2009-2010)

Memberships

Member of Association for Computing Machinery (ACM)

Member of ACM Special Interest Group on Computer-Human Interaction (SIGCHI)

Student Volunteer

CHI 1999, UIST 1999, CHI 1998, UIST 1998, HCI International 1997

ACADEMIC HONORS

Outstanding Graduate Student Instructor Award, U. C. Berkeley (1999)

Achievement Reward for College Scientists Fellowship (1998)

NSF Graduate Fellowship Honorable Mention (1998)

Phi Kappa Phi Academic Honor Society, University of Minnesota (1997)

Cum Laude, Macalester College (1992)

ADVISING

Ph. D. Advising

Yung-Ju "Stanley" Chang, U Michigan School of Information, 2010-present

Rayoung Yang, U Michigan School of Information, 2010-present

Tao Dong, U Michigan School of Information, 2010-present (with Mark Ackerman)

Ph. D. Thesis Committee

David Lee, U Michigan School of Information

Jina Huh, U Michigan School of Information

Yong-Mi Kim, U Michigan School of Information

Mona Attariyan, U Michigan Computer Science and Engineering

Kevin Nam, U Mighican School of Information, Defended Aug. 2010

Julie Weber, U Mighican Computer Science and Engineering, Defended Sep. 2010

Mark Hodges, U Mighican Computer Science and Engineering, Defended June 2010

Bin Liu, U Michigan Computer Science and Engineering, Defended Apr. 2011

Jisoo Yang, U Michigan Computer Science and Engineering, Defended Dec. 2009

Magesh Jayapandian, U Mighican Computer Science and Engineering, Defended Dec. 2008

Dan Peek, U Mighican Computer Science and Engineering, Defended Dec. 2008

Ph. D. Field Prelim Committee

Rahmad Dawood, U Michigan School of Information, passed May 2011

Pablo Quinones, U Michigan School of Information, passed Dec 2010

Ayse Buyuktur, U Michigan School of Information, passed June 2010

David Lee, U Mighican School of Information, passed Jan. 2010

Sean Munson, U Michigan School of Information, passed Jan. 2010

Kevin Nam, U Michigan School of Information, passed Dec. 2008

Masters' Thesis Advising

Jacob Solomon (MSI), Thesis title: "Real-time text and IM." Defended April 2010.

Masters' Research

Pei-Yao Hung (MSI), May 2011-present

Hyeon Joo (CSE MS), June 2010-May 2011

Sonali Mishra (MSI), June 2010-Sep. 2010

Sangmi Park (MSI), Jan 2010-Sep. 2011

Rayoung Yang (MSI), Jan. 2009-Aug. 2010

Debra Lauterbach (MSI), Sept. 2009-June 2010

Zhenan Hong (MSI), Sept. 2009-June 2010

Jungwoo Kim (CSE MS), Jan. 2009-May 2010

Tammy Greene (MSI), Jan. 2009-Jan. 2011

Jared Bauer (MSI), May 2008-Sep. 2009

Maureen Hanratty (MSI), Sept. 2008-Apr. 2009

Zhe Pu (MSI), Sept. 2009-April 2010

Pratiba Bhaskaran (MSI). Sept. 2008-Apr. 2009

Joshua Palay (MSI), Sept. 2007-Mar. 2008

Jacqueline Cerretani Frank (MSI), Sept. 2008-Jan. 2009

Undergraduate Research

Andrew Lambert (REU student from U Illinois Urbana-Champaign), Summer 2010

Sandra Dekoum (REU student from Occidental College), Summer 2010

Michael Shin (CSE undergrad), Sept. 2008-Apr. 2009

Travis Yoo (CSE undergrad), Mar. 2008-Apr. 2009

Interns

Seungyon "Claire" Lee. (Georgia Tech Ph. D. Student) PARC Summer Intern 2006. Paradiddle One-Handed Text Entry. Primary supervisor with assistance from Kurt Partridge. Led to Pervasive 2007 Workshop paper.

Chris Beckmann. (UC Berkeley Ph. D. Student). PARC Summer Intern, 2004. User Interfaces for Obje Service Composition. Primary supervisor with assistance from Keith Edwards. Led to CHI 2006 alt.chi publication.

Julie Black (Stanford Undergrad, now at Google). PARC Summer Intern, 2002. Using Speakeasy for Public Displays. Primary supervisor with assistance from Keith Edwards and Jana Sedivy. Led to chapter in book *Public and Situated Displays* and CSCW 2002 Workshop paper.

Jason Hong (UC Berkeley Ph. D. Student, now Asst. Prof. at CMU). PARC Summer Intern, 2002. Context-Awareness for Speakeasy Applications. Primary supervisor with assistance from Keith Edwards and Jana Sedivy. Led to DIS 2002 publication.

Stephen Voida (Georgia Tech Ph. D. Student). PARC Summer Intern, 2004. Interfaces for Sharing Obje Services. Assisted primary supervisor Keith Edwards. Led to CHI 2006 publication.

Amy Voida (Georgia Tech Ph. D. Student). PARC Summer Intern, 2004. Study of iTunes Music Sharing Practices. Assisted primary supervisor Beki Grinter. Led to CHI 2005 Best Paper.

Shahram Izadi (University of Nottingham Ph. D. Student, now at Microsoft Research). PARC Summer Intern, 2002 and 2003. Speakeasy Infrastructure and Applications. Assisted primary supervisor Keith Edwards. Led to DIS 2002, UIST 2002, Mobicomp 2002 papers and IEEE Transactions on Consumer Electronics article.

GRANTS AND GIFTS

M-CASTLE. $7,336, 9/15/2010-9/14/2011
Development of a Protocol to Assess the Effects of Workload on Older Drivers: A Third Step. Co-PI, PI: Paul A. Green.

Intel Corporation, $167,243, 8/21/2009-8/30/2011
A Framework for Motivating Healthy Behaviors with Social and Pervasive Computing, Co-PI with Paul Resnick.

National Science Foundation, $1,185,194, 9/1/2009-8/31/2012
HCC Medium: Collaborative Configuration: Supporting End-User Control of Complex Computing Environments. Co-PI with Mark Ackerman.

M-CASTLE, $7703, 9/15/2009-9/14/2010
Development of a Protocol to Access the Effects Workload on Older Drivers: A First Step. Senior Personnel. Co-PI, PI: Paul A. Green.

MICHR/CTSA, $24,326, 8/1/2008-7/31/09
A Community-University Partnership to Develop Technology-Enhanced Patient-Empowerment Programs for People with Chronic Kidney Disease: Capacity Building, Feasibility Assessments, and Study Refinement. Co-PI, PI: Kai Zheng.