

Mark W. Newman

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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., 2000
- 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

AWARDS AND RECOGNITION

- Best Paper Honorable Mention, ACM Conference on Human Factors in Computing Systems (2019)
Award for Excellence in Instruction, University of Michigan School of Information (2017)
Best Paper Nomination, ACM Conference on Designing Interactive Systems (2014)
Best Paper Award, ACM Conference on Human Factors in Computing Systems (2014)
Award for Excellence in Instruction, University of Michigan School of Information (2012)
Best Paper Award, ACM Conference on Human Factors in Computing Systems (2005)
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)

PROFESSIONAL EXPERIENCE

- 2013-present School of Information, University of Michigan
Computer Science and Engineering, University of Michigan
Associate Professor
- 2007-2013 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 699-3: User-Centered Agile Development, Winter 2019
- University of Michigan, SI 699: Developing the Mobile Experience, Fall 2018
- University of Michigan on Coursera, Introduction to User Experience Principles and Processes (MOOC), launched Oct 2018
- University of Michigan on Coursera, Evaluating Designs with Users (MOOC), launched Feb 2019
- University of Michigan on Coursera, User Experience Research and Design Capstone (MOOC), to launch Mar 2019
- University of Michigan on edX, UX501x: Introduction to User Experience (MOOC), launched Oct 2016
- University of Michigan on edX, UX503x: Principles of Designing for Humans (MOOC), launched Jan 2017
- University of Michigan on edX, UX504x: Evaluating Designs with Users (MOOC), launched Mar 2017
- University of Michigan on edX, UX509x: User Experience Research and Design Capstone (MOOC), launched Dec 2017
- University of Michigan, SI 206: Data-Oriented Programming, Winter 2018
- University of Michigan, SI 507: Intermediate Programming, Winter 2017, Winter 2018
- University of Michigan, SI 110: Introduction to Information Studies, Fall 2015, Fall 2016, Fall 2017
- University of Michigan, SI 710: Application-Oriented Research in Human-Computer Interaction, Fall 2015
- University of Michigan, SI 612: Pervasive Interaction Design, Winter 2011, Winter 2012, Winter 2014
- University of Michigan, SI 694: Advanced Project and Social Computing Design, Fall 2013.
- University of Michigan, SI 622: Evaluation of Systems and Services, Winter 2008, Winter 2009, Winter 2010, Winter 2011, Winter 2012, Winter 2016
- University of Michigan, SI 688/SI 588: Fundamentals of Human Behavior, Fall 2009, Fall 2010, Fall 2011, Fall 2012.
- University of Michigan, Human Factors Engineering Short Course, Trends in HCI & Cost Benefit Analysis for HCI, Summer 2008, Summer 2009, Summer 2010, Summer 2011.
- 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.

GRANTS AND GIFTS

- U-M Precision Health.** \$300,000, Award in process
 Understanding Cardiac Health through Innovative Wearable Sensing. Co-PI.

National Institutes of Health, \$836,735, 8/4/2017-5/31/2022
Technology and Parent-Child Interaction. Collaborator, PI: Jenny Radesky

Lenovo. \$300,000, 1/1/2017-12/31/2019
HealthDesignby.us Innovation Co+Lab. Co-PI

Michigan Medicine, \$50,000, 4/1/2016-3/31/2017
A Patient-Centered Research Network in Type 1 Diabetes powered by Mobile Technology and Social Media. C-
Investigator, PI: Joyce M. Lee

University of Michigan, \$60,000, 1/1/2016-12/31/2017
MCubed: Unlocking the Potential of Mobile Big Data for Behavioral Research, Co-PI with Qiaozhu Mei and
Natalie Colabianchi

Craig H. Neilsen Foundation. \$100,000, 4/1/2015-12/31/2016
Using Low-Cost Sensing to Support Self-Management: An Initial Study. PI

Department of Education/Health and Human Services, \$4,615,126, 10/1/2013-9/29/2019
(National Institute on Disability and Rehabilitation Research)
Technology Increasing Knowledge: Technology Optimizing Choice Rehabilitation Engineering Research
Center. Principal Investigator for Project D3.

Microsoft Corporation, \$30,000, 8/19/2013
Development of Home Based Energy Sensor Technology. PI

University of Michigan, \$60,000, 1/1/2013-12/31/2014
MCubed: Infrastructure for Context-Aware Computing. Co-PI with Mark Ackerman and Atul Prakash.

National Science Foundation, \$454,838, 7/1/2012-6/30/2017
CAREER: Improving the Development Process for Context-Aware Systems with Integrated Capture and
Playback. PI.

Adobe Systems, \$8,000, 3/14/2012
Advanced Technology Labs gift.

M-CASTLE. \$7,336, 9/15/2010-7/31/2012
Development of a Protocol to Assess the Effects of Workload on Older Drivers: A Third Step. Co-PI, PI: Paul A.
Green.

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

National Science Foundation, \$1,185,194, 9/1/2009-8/31/2013
HCC Medium: Collaborative Configuration: Supporting End-User Control of Complex Computing
Environments. PI

Intel Corporation, \$167,243, 8/21/2009-8/30/2012
A Framework for Motivating Healthy Behaviors with Social and Pervasive Computing, Co-PI with Paul Resnick.

MICHR/CTSA, \$24,326, 8/1/2008-7/31/2009
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-
Investigator, PI: Kai Zheng.

REFEREED PUBLICATIONS

Note: Names of student co-authors are underlined.

Refereed Journal Articles

Real-world use and self-reported health outcomes of a patient-designed do-it-yourself mobile technology system for diabetes: lessons for mobile health. Joyce M. Lee, Mark W. Newman, Achamyelah Gebremariam, Preciosa Choi, Dana Lewis, Weston Nordgren, John Costik, James Wedding, Benjamin West, Nancy Benovich Gilby, Christopher Hannemann, Josh Pasek, Ashley Garrity, and Emily Hirschfeld. *Diabetes technology & therapeutics*, **19**(4). 2017

An investigation of using mobile and situated crowdsourcing to collect annotated travel activity data in real-world settings. Yung-Ju Chang, Gaurav Paruthi, Hsin-Ying Wu, Hsin-Yu Lin, and Mark W. Newman. *International Journal of Human-Computer Studies* **102**. (2017). Appeared online Nov. 2016.

What Designers Talk About When They Talk About Context. Jared S. Bauer, Mark W. Newman, and Julie A. Kientz. *HCI Journal* **29**(5-6). 2014.

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 Object 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

Clinical Data in Context: Towards Sensemaking Tools for Interpreting Personal Health Data. Shriti Raj, Joyce M. Lee, Ashley Garrity, Mark W. Newman. In *Proceedings of the ACM Conference on Interactive, Mobile, Wearable and Ubiquitous Technologies (UbiComp 2019)*. To Appear. 2019

“My blood sugar is higher on the weekends”: Finding a Role for Context and Context-Awareness in the Design of Health Self-Management Technology. Shriti Raj, Kelsey Toporski, Ashley Garrity, Joyce M. Lee, Mark W. Newman. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2019)*. To Appear. 2019. **Best Paper Honorable Mention.**

Supporting Collaboratively Constructed Independence: A Study of Spinal Cord Injury. Ayşe G. Büyüktür, Mark S. Ackerman, Pei-Yao Hung Mark W. Newman. In *Proceedings of the 21st ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2018)*. Jersey City, New Jersey USA. 2018

Understanding Individual and Collaborative Problem-Solving with Patient-Generated Data: Challenges and Opportunities. Shriti Raj, Mark W. Newman, Mark S. Ackerman. In *Proceedings of the 21st ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2018)*. Jersey City, New Jersey USA. 2018

Heed: Exploring the Design of Situated Self-Reporting Devices. Gaurav Paruthi, Shriti Raj, Seungjoo Baek, Chuyao Wang, Chuan-che Huang, Yung-ju Chang, Mark W. Newman. In *Proceedings of the ACM Conference on Interactive, Mobile, Wearable and Ubiquitous Technologies (UbiComp 2018)*. Singapore. 2018

Finding the Sweet Spot(s): Understanding Context to Support Physical Activity Plans. Gaurav Paruthi, Shriti Raj, Natalie Colabianchi, Predrag Klasnja, Mark W. Newman. In *Proceedings of the ACM Conference on Interactive, Mobile, Wearable and Ubiquitous Technologies 2.1* (2018). Singapore. 2018.

Devices and Data and Agents, Oh My: How Smart Home Abstractions Prime End-User Mental Models. Meghan Clark, Mark W. Newman, and Prabal Dutta. In *Proceedings of the ACM Conference on Interactive, Mobile, Wearable and Ubiquitous Technologies (UbiComp 2017)*. Maui, Hawaii USA. 2017.

Design Considerations for Semi-Automated Tracking: Self-Care Plans in Spinal Cord Injury. Ayşe G. Büyüktür, Mark S. Ackerman, Mark W. Newman, Pei-Yao Hung. In *Proceedings of 11th EAI International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth 2016)*. Barcelona, Spain.

Reef: Exploring the Design Opportunity of Comfort-Aware Eco-Coaching Thermostats. Chuan-Che (Jeff) Huang, Sheng-Yuan Liang, Bing-Hsun Wu, Mark W. Newman. In *Proceedings of The ACM Conference on Designing Interactive Systems (DIS 2017)*. Edinburgh, Scotland.

How does eco-coaching help to save energy? Assessing a recommendation system for energy-efficient thermostat scheduling. Rayoung Yang, Devika Pisharoty, Soodeh Montazeri, Kamin Whitehouse, and Mark W. Newman. 2016. In *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2016)*. Heidelberg, Germany. 2016.

Fostering Engagement with Personal Informatics Systems. Rebecca Gulotta, Jodi Forlizzi, Rayoung Yang, Mark W. Newman. In *Proceedings of the ACM Conference on Designing Interactive Systems (DIS 2016)*. Brisbane, Australia. 2016.

ThermoCoach: Reducing Home Energy Consumption with Personalized Thermostat Recommendations. Devika Pisharoty, Rayoung Yang, Mark W. Newman, Kamin Whitehouse. In *Proceedings of the 2nd ACM International Conference on Embedded Systems for Energy-Efficient Built Environments (BuildSys '15)*. Seoul, South Korea. 2015

A field study comparing approaches to collecting annotated activity data in real-world settings. Yung-Ju Chang, Gaurav Paruthi, Mark W. Newman. In *Proceedings of the 17th ACM International Conference on Ubiquitous Computing (UbiComp '15)*. Osaka, Japan. 2015.

The potential and challenges of inferring thermal comfort at home using commodity sensors. Chuan-Che “Jeff” Huang, Rayoung Yang, Mark W. Newman. In *Proceedings of the 17th ACM International Conference on Ubiquitous Computing (UbiComp '15)*. Osaka, Japan. 2015.

Supporting reflection through play: field testing the home trivia system. Tao Dong, Mark W. Newman, Mark S. Ackerman, Sarita Schoenebeck. In *Proceedings of the 17th ACM International Conference on Ubiquitous Computing (UbiComp '15)*. Osaka, Japan. 2015.

When fitness trackers don't 'fit': end-user difficulties in the assessment of personal tracking device accuracy. Rayoung Yang, Eunice Shin, Mark W. Newman, Mark S. Ackerman. In *Proceedings of the 17th ACM International Conference on Ubiquitous Computing (UbiComp '15)*. Osaka, Japan. 2015.

“If These Walls Could Talk:” Designing with Memories of Places. Tao Dong, Mark S. Ackerman, and Mark W. Newman. In *Proceedings of the ACM Conference on Designing Interactive Systems (DIS 2014)*. Vancouver, Canada. 2014. **Best Paper Nominee.**

Making Sustainability Sustainable: Challenges in the Design of Eco-Interaction Technologies. Rayoung Yang, Mark W. Newman, and Jodi Forlizzi. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2014)*. Toronto, Canada. 2014. **Best Paper Award.**

Thinking About Context: Design Practices for Information Architecture with Context-Aware Systems. Jared S. Bauer, Mark W. Newman, and Julie A. Kientz. In *Proceedings of the iConference (iConference 2014)*. Berlin, Germany. 2014.

Living with a smart thermostat: Challenges in managing intelligence in the home. Rayoung Yang and Mark W. Newman. In *Proceedings of the 15th ACM International Conference on Ubiquitous Computing (UbiComp 2013)*. Zurich, Switzerland. 2013.

Social Overlays: Collectively making websites more usable. Tao Dong, Mark S. Ackerman, Mark W. Newman, and Gaurav Paruthi. In *Proceedings of the 16th IFIP Conference on Human-Computer Interaction (INTERACT 2013)*. Cape Town, South Africa. 2013.

TraceViz: “Brushing” for location based services. Yung-ju Chang, Pei-yao Hung, Mark W. Newman. In *Proceedings of the 14th International Conference on Human Computer Interaction with Mobile Devices and Services (MobileHCI 2012) (Technical Note)*. San Francisco, CA. 2012.

Discovery-based games for learning software. Tao Dong, Mira Dontcheva, Diana Joseph, Karrie Karahalios, Mark W. Newman, Mark S. Ackerman. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2012) (Technical Note)*. Austin, Texas. 2012

Supporting spatial awareness and independent wayfinding for pedestrians with visual impairments. [Rayoung Yang](#), [Sangmi Park](#), [Sonali R. Mishra](#), [Zhenan Hong](#), [Clint Newsom](#), [Hyeon Joo](#), Erik Hofer, Mark W. Newman. In *Proceedings of the 13th International ACM Conference on Computers and Accessibility (ASSETS 2011)*. Dundee, Scotland. 2011.

Supporting collaborative help for individualized use. [Jina Huh](#), Mark W. Newman, Mark S. Ackerman. In *Proceedings of the ACM 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, [Debra Lauterbach](#), [Sean A Munson](#), Paul Resnick, Margaret E. Morris. In *Proceedings of the ACM 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, [Jungwoo Kim](#), Atul Prakash, [Zhenan Hong](#), Jacob Mandel, and [Tao Dong](#). In *Proceedings of the 23rd 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, [Chrysta C. Meadowbrooke](#), 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, [Chrysta C. Meadowbrooke](#), 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. [Jina Huh](#), 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. [Sean Munson](#), [Debra Lauterbach](#), Mark W. Newman, and Paul Resnick. In *Proceedings of the 5th International Conference on Persuasive Computing (PERSUASIVE 2010)*. Copenhagen, Denmark. 2010.

Automatic assessment of cognitive impairment through electronic observation of object usage. [Mark R. Hodges](#), 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 [Erika S. Poole](#). In *Proceedings of the SIGCHI conference on Human factors in computing systems (CHI 2010)*. Atlanta, GA, USA. 2010.

Multi-Format Notifications for Multi-Tasking. [Julie S. Weber](#), 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. [Ben Congleton](#), [Jaqueline Cerretani](#), 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. [Ben Congleton](#), Mark S. Ackerman, and Mark W. Newman. In *Proceedings of the 21st annual ACM symposium on User interface software and technology (UIST 2008)*. Monterey, CA, USA, 2008.

Accessible Contextual Information for Urban Orientation (Note). [Jason Stewart](#), [Sara Bauman](#), [Michelle Escobar](#), [Jakob Hilden](#), [Kumud Bihani](#), and Mark W. Newman. In *Proceedings of the 10th ACM 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. [Koji Yatani](#), 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. Stephen Volda, 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. Amy Volda, 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 Shahram Izadi. 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, Shahram Izadi, 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, Jason I. Hong, and Shahram Izadi. 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, Tao Dong, Scott Gifford, Jungwoo Kim, Mark W. Newman, Atul Prakash and Sarah Ojdwai. *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

Socio-technical Design for the Care of People With Spinal Cord Injuries. Mark S. Ackerman, Ayse G. Büyüktür, Pei-yao Hung, Michelle A. Meade, & Mark W. Newman. In *Designing Healthcare That Works* (pp. 1-18).

Field Deployments: Knowing from Using in Context. Katie A. Sick, Gillian R. Hayes, Mark W. Newman, John C. Tang. In *Ways of Knowing in HCI*, Judith S. Olson and Wendy Kellogg, Eds. Springer Verlag. 2014.

Supporting Extensible Public Display Systems with Speakeasy, [Julie A. Black](#), 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.

Lightly Reviewed Short Papers, Videos, Demos, and Posters

Towards a natural language programming interface for smart homes [Poster]. [Meghan Clark](#), Prabal Dutta, and Mark W. Newman. In *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct* (UbiComp '16). Heidelberg, Germany. 2016.

Using Expertise for Crowd-Sourcing. [David Merritt](#), Mark S. Ackerman, Mark W. Newman, [Pei-Yao Hung](#), Jacob Mandel, Erica Ackerman. In *Proceedings of the Third AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2015) Works in Progress*. November 8-11, 2015, San Diego, California.

Olegoru: A Soundscape Composition Tool to Enhance Imaginative Storytelling with Tangible Objects. [Chuan-Che Huang](#), [Yu-Jen Lin](#), [Xinda Zeng](#), Mark Newman, and Sile O'Modhrain. In *Proceedings of the Ninth International Conference on Tangible, Embedded, and Embodied Interaction* (TEI '15). Palo Alto, CA, USA. 2015.

TraceViz: "Brushing" for Location Based Services. [Yung-Ju Chang](#), [Pei-Yao Hung](#), Mark W. Newman. In *Extended Abstracts of the 14th International Conference on Human Computer Interaction with Mobile Devices and Services (MobileHCI 2012)* (Demo). San Francisco, CA. 2012.

Understanding How Trace Segmentation Impacts Transportation Mode Detection. [Yung-Ju Chang](#), Mark W. Newman. In *Extended Abstracts of the 14th international conference on Ubiquitous computing (UbiComp 2012)* (Poster). Pittsburgh, PA. 2012.

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). Vancouver, BC, Canada. 2010.

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, [Jungwoo Kim](#), Atul Prakash, [Zhenan Hong](#), Jacob Mandel, and [Tao Dong](#). In *Extended Abstracts of the 23rd annual ACM symposium on User interface software and technology (UIST '10)* (Demo). New York, NY, USA. 2010.

SuChef: An in-kitchen display to assist with "Everday" Cooking. [Joshua Palay](#) 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. [David Lee](#), [Sean A. Munson](#), [Ben Congleton](#), 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. [Stephen Voida](#), 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

Towards Assessment of Personal Health Data Literacy in Type 1 Diabetes [Poster]. Shriti Raj, Joyce M. Lee, Matthew Kay, Mark W. Newman. *ACM Conference on Human Factors in Computing Systems (CHI 2019) Symposium: Workgroup on Interactive Systems in Healthcare (WISH 2019)*. Glasgow, Scotland. 2019.

Gaining Design Insights for the Home through Diaries, Contextual Interviews, and Remote Sensing. Tao Dong, Rayoung Yang, Mark W. Newman, Mark S. Ackerman. *ACM Conference on Computer Supported Cooperative Work (CSCW 2014) Workshop: Designing with Users for Domestic Environments*. Baltimore, Maryland. 2014.

A Glimpse into How People Use Novel Technology in Homes. Rayoung Yang, Mark W. Newman. *ACM Conference on Human Factors in Computing Systems (CHI 2013) Workshop: Methods for Studying Technology in the Home*. Paris, France. 2013.

Investigating the Information Source Selection Phenomenon in a Mobile Environment. Yung-ju Chang, Mark W. Newman. *ACM Conference on Human Factors in Computing Systems (CHI 2013) Workshop: The First International Symposium of Chinese CHI (Chinese CHI 2013)*. Paris, France. 2013.

Integrating Capture & Playback into Context-Aware Systems Development. Yung-ju Chang, Mark W. Newman, Pei-yao Hung, Manchul Han. *ACM Conference on Human Factors in Computing Systems (CHI 2013) Workshop: The First International Symposium of Chinese CHI (Chinese CHI 2013)*. Paris, France. 2013.

Understanding Active Mobile Users' Choice of Information Channels to Address Information Needs. Yung-ju Chang and Mark W. Newman. *14th International Conference on Human Computer Interaction with Mobile Devices and Services (MobileHCI 2012) Workshop: Mobility and Web Behavior*. San Francisco, CA. 2012.

Living with an Intelligent Thermostat: Advanced Control for Heating and Cooling Systems. Rayoung Yang, Mark W. Newman. *14th international conference on Ubiquitous computing (UbiComp 2012) Workshop: Systems and Infrastructure for the Digital Home (HomeSys 2012)*. Pittsburgh, PA. 2012.

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 Ojdwai. *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*. Gotenberg, 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

Personal Health Technology and Design: What Does HCI Bring to the Table? Keynote Address. The 2018 Taiwan Human-Computer Interaction Seminar (TAICHI ‘18). Hsinchu, Taiwan.

Careers in Computing. Ann Arbor Math Olympiad Cooperative. April 2018.

Computing Needs You! University of Michigan CS Kickstart. September 2017.

Careers in Computing. Ann Arbor Math Olympiad Cooperative. March 2017.

Capture and Playback for Designing Context-Aware Interactive Systems. Human-Computer Interaction Consortium Workshop. Pajaro Dunes, CA. June 2014.

Context-Aware Mobile Computing: Progress, Problems, and Prospects. Mobile Monday Detroit. November 2013.

Capture and Playback for Designing Context-Aware Interactive Systems. DUB Seminar. University of Washington. May 2012.

Capture and Playback for Designing Context-Aware Interactive Systems. Graphics, Visualization, and Usability Center Brown Bag. Georgia Institute of Technology. April 2012.

Capture and Playback for Designing Context-Aware Interactive Systems. Human Computer Interaction Institute Seminar. Carnegie Mellon University. April 2012.

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. February 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

Chairships and Advisory Boards

Human Computer Interaction Consortium (HCIC), General Co-Chair, 2012-2016

Digital Societies and Social Technologies (DSST) Summer Institute, Advisory Board, 2013-2015

Committee Chairs

Human Computer Interaction Consortium (HCIC) Annual Workshop, 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

Journal Editorship

Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT). Associate Editor. 2017-present

Program Committees

ACM Conference on Human Factors in Computing Systems (CHI), Program Committee, 2010, 2016

International Conference on Ubiquitous Computing (UbiComp), Program Committee, 2014

ACM Symposium on User Interface Software and Technology, Program Committee, 2013

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, 2014)

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

ACM Computing Surveys (CSUR) (2013)
IEEE Pervasive (2012)
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

CHI: ACM Conference on Human Factors in Computing Systems (2000, 2002-2009, 2011, 2012, 2014, 2015, 2017). *Received special recognitions for exceptional reviews in 2003, 2004, and 2005.*
UIST: ACM Symposium on User Interface Software and Technology (1999-2010, 2012, 2015)
CSCW: Computer Supported Cooperative Work (2002, 2004, 2011)
UbiComp: International Conference on Ubiquitous Computing (2001, 2003-2007, 2009, 2012, 2015, 2016)
Pervasive: International Conference on Pervasive Computing (2009)

Campus and Departmental Activities

Programming Curriculum Review Task Force, Chair (2019-present)
Augmented and Virtual Reality Steering Committee, Chair (2017-present)
Human Computer Interaction Consortium Governing Board Member for U-M (2012-present)
Michigan Interactive and Social Computing, Founder and Coordinator (2010-2012)
Human Computer Interaction Specialization Coordinator, MSI Program (2009-present)
Social Computing Specialization Coordinator, MSI Program (2011-present)
HCI Search Subcommittee Chair (2012-2013, 2015-2016)
MSI Committee (2012-2013, 2016-2017)
MHI Committee (2017-2018)
Faculty Search Committee (2010-2011, 2017-2018)
Doctoral Committee (2007-2010)
Dean's Advisory Committee (2009-2010, 2014-2015, 2016-2017)
Dean Search Committee (2015-2016)

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

ADVISING

Ph. D. Advising

Tao Dong, U Michigan School of Information, 2010-2015 (with Mark Ackerman). Now User Experience Researcher at Google.

Yung-Ju “Stanley” Chang, U Michigan School of Information, 2010-2016. Now Assistant Prof at National Chiao Tung University in Taiwan

Rayoung Yang, U Michigan School of Information, 2010-2016. Now Research Fellow at University College, London.

Gaurav Paruthi, U Michigan School of Information, 2011-2018. Now Software Engineer at Kindred.ai.

Chuan-che “Jeff” Huang, U Michigan School of Information, 2013-present

Shriti Raj, U Michigan School of Information, 2015-present

Meghan Clark, University of California Berkeley Computer Science, 2016-present

Xinghui Yan, U Michigan School of Information, 2018-present

Ph. D. Thesis Committee

Pei-yao Hung, University of Michigan School of Information

Yu-Chih Tung, University of Michigan Computer Science and Engineering

Jasmine Jones, University of Michigan School of Information

David Merritt, University of Michigan Computer Science and Engineering

Sarah Mennicken, University of Zurich Department of Informatics

Danny Wu, University of Michigan School of Information

Sean Munson, University of Michigan School of Information

David Lee, University of Michigan School of Information

Jina Huh, University of Michigan School of Information

Yong-Mi Kim, University of Michigan School of Information

Mona Attariyan, University of Michigan Computer Science and Engineering

Kevin Nam, University of Michigan School of Information

Julie Weber, University of Michigan Computer Science and Engineering

Mark Hodges, University of Michigan Computer Science and Engineering

Bin Liu, University of Michigan Computer Science and Engineering

Jisoo Yang, University of Michigan Computer Science and Engineering

Magesh Jayapandian, University of Michigan Computer Science and Engineering

Dan Peek, University of Michigan Computer Science and Engineering

Ph. D. Field Prelim Committee

Chanda Phelan, U Michigan School of Information, passed Mar. 2017

Pei-Yao Hung, U Michigan School of Information, passed Jan. 2015

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, University of Michigan School of Information, passed Jan. 2010
Sean Munson, University of Michigan School of Information, passed Jan. 2010
Kevin Nam, University of Michigan School of Information, passed Dec. 2008

Ph. D. Pre-candidacy Committee

Joey Hsiao, U Michigan School of Information, passed April 2017
Yu-Jen Lin, U Michigan School of Information, passed March 2016

Masters' Thesis Advising

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

Masters' Research

Bomi Shim (MSI), Fall 2017-present
Dora Weng (MSI), Fall 2018
Tsung-wei Ho (MSI), Fall 2015-Winter 2017
Sheng-Yuan Liang (MSI), Fall 2015-Winter 2017
Bing-Hsun Wu (MSI), Fall 2015-Fall 2017
Younghun Lee (MSI), Fall 2016-Winter 2017
David Cheng (MSI), Fall 2015-Winter 2016
Wirithphol Ek-Alarnpun (MSI), Fall 2014-Winter 2015
Chuan-che Huang (MSI), May 2011-2013
Pei-Yao Hung (MSI), May 2011-2013
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
Jacqueline Cerretani Frank (MSI), Sept. 2008-Jan. 2009
Joshua Palay (MSI), Sept. 2007-Mar. 2008

Undergraduate Research

Kelsey Toporski, U Michigan BSI student, Summer 2018-present
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

High School

Clarissa Xu, Northville High School, Summer 2017.

Interns

Koji Yatani. (U. Toronto Ph. D. Student) PARC Summer Intern 2007. Escape: Gestural Technique for Acquiring Small Targets on Handheld Devices. Co-supervised with Kurt Partridge. Led to CHI 2008 paper.

Seungyon “Claire” Lee. (Georgia Tech Ph. D. Student) PARC Summer Intern 2006. Paradiddle One-Handed Text Entry. Co-supervised with Kurt Partridge. Led to Pervasive 2007 Workshop paper.

Chris Beckmann. (UC Berkeley Ph. D. Student). PARC Summer Intern, 2004. User Interfaces for Object Service Composition. Co-supervised with 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. Co-supervised with 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. Co-supervised with Keith Edwards and Jana Sedivy. Led to DIS 2002 publication.

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