

# MIN KYUNG LEE

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## EDUCATION

**Carnegie Mellon University, School of Computer Science, HCI Institute, Fall 2013**

Ph.D. in Human-Computer Interaction

Sara Kiesler (co-chair), Jodi Forlizzi (co-chair), John Zimmerman, and Leila Takayama

Thesis: Designing Personalization in Technology-Based Services

**Carnegie Mellon University, School of Computer Science, HCI Institute, 2011**

Master of Human-Computer Interaction

**Carnegie Mellon University, School of Design, 2007**

Master of Design in Interaction Design

Advisors: John Zimmerman, Anind K. Dey and Jodi Forlizzi

**Korea Advanced Institute of Science and Technology, 2004**

Bachelor of Science, Industrial Design

Summa Cum Laude

**Institut National des Sciences Appliquées de Lyon, France, 2001-2002**

Exchange student in Département de Génie Productique (Industrial Engineering)

## RESEARCH INTERESTS

Human-computer interaction, computer-supported collaborative work, algorithmic fairness and transparency, human-centered algorithmic technologies, human-robot interaction.

## HONORS & AWARDS

**ACM CSCW 2017 Best Paper Honorable Mention**

**NSF Cyber-Physical Systems Early-Career Investigator's Workshop Research Competition Winner 2015**

**Rising Stars in EECS 2015**

**Allen Newell Award for Research Excellence 2013**

**Vanderbilt Agency Conference 2012 Best Student Research Award**

**ACM DIS 2012 Best Paper Award**

**ACM/SIGCHI CHI 2011 Best Paper Honorable Mention**

**ACM/IEEE HRI 2010 Best Paper Award**

**ACM/IEEE HRI 2010 Best Video Honorable Mention**

### **Design & Emotion 2006 Best Paper Award**

**Siebel Scholar**, 2012-2013

Scholarship awarded for academic excellence and demonstrated leadership to 85 top students from the world's leading business, computer science, and bioengineering schools

**Kwanjeong Lee Jong Hwan Scholarship**, 2007-2010

Scholarship awarded annually for \$50,000 for tuition and stipend

**Samsung Lee Kun Hee Scholarship**, 2005-2007

Scholarship awarded annually for \$50,000 for tuition and stipend

**Rotary Ambassadorial Scholar**, 2005-2006

Scholarship to increase international understanding across different countries

**PRIX de l'INSA-Lyon (France)**, 2004

Awarded President's Prize for top rated exchange students

**KAIST Honorary List for Graduates**, 2004

Graduated Summa Cum Laude

**Government Fellowship** | Korea Ministry of Science and Technology, 1999-2004

## GRANTS

**Collective Creation of a Fair Allocation Algorithm: Machine Learning and Social Choice Approach**, Jan. 2018-Jan. 2019

Role: Principal Investigator with Ariel Procaccia (CMU)

Funding organization: Uptake/CMU Machine Learning for Social Good (\$75,000, no overhead)

**NSF CPS EAGER. SOCIUS: Socially Responsible Smart Cities**, Sept. 2016-Aug. 2018

Role: Principal Investigator with Yasser Shoukry (UMD), Vasumathi Raman, and Mani Srivastava (UCLA)

Funding organization: National Science Foundation (\$200,000)

## PROFESSIONAL EXPERIENCE

**Carnegie Mellon University, Machine Learning Department, Center for Machine Learning and Health**, Oct. 2015-Present

Research Scientist

**Carnegie Mellon University, School of Computer Science, HCI Institute**, Oct. 2013-Sept. 2015

Postdoctoral fellow with Laura Dabbish

**Willow Garage**, Summer 2010

Visiting scholar, responsible for fieldwork on mobile remote presence in organizations

**Center for Work, Technology & Organization, Stanford**, Summer 2010

Visiting scholar, responsible for research on design approaches to organizational changes

**Carnegie Mellon University, HCI Institute**, 2006

Research assistant, responsible for ethnographic field study and user testing for smart home research

**SK Telecom**, 2004

Interaction designer, responsible for conception, prototyping, and evaluation of interface for an autonomous home robot and intelligent information services for a mobile phone

**Motorola**, Winter 2003

Interaction designer intern, responsible for cultural study of Korea, China, and Japan and GUI design for mobile phones

**Philips Design in Paris**, Summer 2002

Interaction designer intern, responsible for conception of new interface and GUI design for mobile phones

## PUBLICATIONS

The top-tier venues in human-computer interaction research include ACM CHI, CSCW, Ubicomp, and HRI conferences. (Google Scholar: 1601 citations, h-index: 19)

## JOURNAL ARTICLES

**Lee, M. K.** (2018) Understanding perception of algorithmic decisions: Fairness, trust and emotion in response to algorithmic management. To appear in *Big Data & Society*.

Strabala, K., **Lee, M. K.**, Dragan, A., Forlizzi, J., Srinivasa, S, Cakmak, M., & Micelli, V. (2013). Toward seamless human-robot handovers. *Journal of Human-Robot Interaction*, 2(1), 112-132.

## CONFERENCE PAPERS

Tsai, H., Shoukry, Y., **Lee, M. K.**, and Raman, V. (2017). Towards a Socially Responsible Smart City: Dynamic Resource Allocation for Smarter Community Service. To appear in *Proceedings of the 4th ACM International Conference on Systems for Energy-Efficient Built Environments (ACM BuildSys 2017)*.

**Lee, M. K.**, Kim, J. & Lizarondo, L. (2017). A human-centered approach to algorithmic services: Considerations for fair and motivating smart community service management that allocates donations to non-profit organizations. In *Proceedings of the ACM/SIGCHI Conference on Human Factors in Computing Systems (CHI 2017)*, 3365-3376.

**Lee, M. K.** & Baykal S. (2017) Algorithmic mediation in group decisions: Fairness perceptions of algorithmically mediated vs. discussion-based social division. In *Proceedings of the ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW 2017)*, 1035-1048.

### **Best Paper Honorable Mention**

**Lee, M. K.**, Kim, J., Forlizzi, J., & Kiesler, S. (2015). Personalization revisited: A reflective approach helps people better personalize health services and motivates them to increase physical activities. In *Proceedings of the ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp 2015)*, 743-754. 24% acceptance rate.

**Lee, M. K.**, Kusbit, D., Metsky, E., & Dabbish, L. (2015). Working with machines: The impact of algorithmic, data-driven management on human workers. In *Proceedings of the ACM/SIGCHI Conference on Human Factors in Computing Systems (CHI 2015)*, 1603-1612. 23% acceptance rate.

**Lee, M. K.**, Fruchter, N., & Dabbish, L. (2015). Making decisions from a distance: The impact of technological mediation on riskiness and dehumanization. In *Proceedings of the ACM Conference on Computer-Supported Cooperative Work (CSCW 2015)*, 1576-1589. 28% acceptance rate.

**Lee, M. K.**, Kiesler, S., Forlizzi, J., & Rybski, P. (2012). Ripple effects of embedded social agents: Field study of a social robot in the workplace. In *Proceedings of the ACM/SIGCHI Conference on Human Factors in Computing Systems (CHI 2012)*, 695-704. 23% acceptance rate.

**Lee, M. K.**, Forlizzi, J., Kiesler, S., Rybski, P., Antanitis, J., & Savetsila, S. (2012). Personalization in HRI: A longitudinal field experiment. In *Proceedings of the ACM/IEEE International Conference on Human-Robot Interaction (HRI 2012)*, 319-326. 25% acceptance rate.

Odom, W., Zimmerman, J., Davidoff, S., Forlizzi, J., Dey, A. K., & **Lee, M. K.** (2012). A fieldwork of the future with user enactments. In *Proceedings of the ACM Conference on Designing Interactive Systems (DIS 2012)*. 338-347. 26% acceptance rate.

#### **Best Paper Award**

Strabala, K., **Lee, M. K.**, Dragan, A., Forlizzi, J., & Srinivasa, S. (2012). Learning the communication of intent prior to physical collaboration. In *Proceedings of the IEEE Symposium on Robot and Human Interactive Communication (RO-MAN 2012)*, 968-973.

**Lee, M.K.** & Takayama, L. (2011). "Now, I have a body": Uses and social norms for mobile remote presence in the workplace. In *Proceedings of the ACM/SIGCHI Conference on Human Factors in Computing Systems (CHI 2011)*, 33-42. 26% acceptance rate.

#### **Best Paper Honorable Mention**

**Lee, M.K.**, Kiesler, S., & Forlizzi, J. (2011). Mining behavioral economics to design persuasive technology for healthy choices. In *Proceedings of the ACM/SIGCHI Conference on Human Factors in Computing Systems (CHI 2011)*, 325-334. 26% acceptance rate.

Cakmak, M., Srinivasa, S., **Lee, M.K.**, Kiesler, S., & Forlizzi, J. (2011). Using spatial and temporal contrast for fluent robot-human hand-overs. In *Proceedings of the ACM/IEEE International Conference on Human Robot Interaction (HRI 2011)*, 489-496. 22% acceptance rate.

Cakmak, M., Srinivasa, S., **Lee, M.K.**, Forlizzi, J., & Kiesler, S. (2011). Human preferences in robot-human hand-over configurations. In *Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2011)*, 1986-1993. 32% acceptance rate.

**Lee, M.K.**, Kiesler, S., & Forlizzi, J. (2010). Receptionist or information kiosk? How do people talk with a robot? In *Proceedings of the ACM Conference on Computer-Supported Cooperative Work (CSCW 2010)*, 31-40. 20% acceptance rate.

**Lee, M.K.**, Kiesler, S., Forlizzi, J., Srinivasa, S., & Rybski, P. (2010). Gracefully mitigating breakdowns in robotic services. In *Proceedings of the ACM/IEEE International Conference on Human Robot Interaction (HRI 2010)*, 203-210. 21% acceptance rate.

#### **Best Paper Award**

**Lee, M.K.**, Forlizzi, J., Rybski, P.E., Crabbe, F., Chung, W., Finkle, J., Glaser, E., & Kiesler, S. (2009). The Snackbot: Documenting the design of a robot for long-term human-robot interaction. In *Proceedings of the ACM/IEEE International Conference on Human Robot Interaction (HRI 2009)*, 7-14. 19% acceptance rate.

**Lee, M.K.** & Forlizzi, J. (2009). Designing adaptive robotic services. In *Proceedings of the International Association of Societies of Design Research (IASDR 2009)*.

Davidoff, S., **Lee, M.K.**, Dey, A.K., & Zimmerman, J. (2007). Rapidly exploring application design through speed dating. In *Proceedings of the International Conference on Ubiquitous Computing (Ubicomp 2007)*, 429-446. 19% acceptance rate.

**Lee, M.K.**, Davidoff, S., Zimmerman, J., & Dey, A.K. (2007). Smart bag: Managing home and raising children. In *Proceedings of the International Conference on Designing Pleasurable Products and Interfaces (DPPI 2007)*, 434-437.

**Lee, M.K.**, Davidoff, S., Zimmerman, J., & Dey, A.K. (2006). Smart homes, families and control. In *Proceedings of the International Conference on Design & Emotion (D&E 2006)*.  
**Best Paper Award**

Davidoff, S., **Lee, M.K.**, Yiu, C., Zimmerman, J., & Dey, A.K. (2006). Principles of smart home control. In *Proceedings of the International Conference on Ubiquitous Computing (UbiComp 2006)*, 19-34. 13% acceptance rate.

#### BOOK CHAPTER

**Lee, M.K.**, Davidoff, S., Zimmerman, J., & Dey, A.K. (2008). Designing for control: Finding roles for smart homes. In P. Desmet, J. van Erp, and M. Karlsson (eds.), *Design & Emotion Moves* (pp. 246-266). UK:Cambridge Scholars Publishing.

#### MAGAZINE ARTICLES

**Lee, M. K.** Algorithmic bosses, robotic colleagues: Toward human-centered algorithmic workplaces. (2017). In *XRDS: Crossroads, The ACM Magazine for Students*, 23(2), 42-47.

Simmons, R., Makatchev, M., Kirby, R., **Lee, M. K.**, Fanaswala, I., Browning, B., Forlizzi, J., & Sakr, M. (2011). Believable robot characters. In *AAAI AI Magazine*, 32(4), 39-52.

#### EXTENDED ABSTRACTS, WORKSHOP PAPERS & VIDEOS (PEER-REVIEWED)

Kim, M., **Lee, M.K.**, & Dabbish, L. (2015). Shop-i: Gaze based interaction in the physical world for in-store social shopping experience. In *Proceedings of the ACM Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA 2015)*, 1253-1258. 25% acceptance rate

**Lee, M.K.** (2011). Opportunities and challenges in mining behavioral economics to design persuasive technology. In *CHI 2011 PINC (Persuasion, Influence, Nudge & Coercion through mobile devices) workshop*.

**Lee, M.K.**, Tang, K. P., Forlizzi, J., & Kiesler, S. (2011). Understanding users' perception of privacy in human-robot interaction. In *Late-breaking Reports of Human-Robot Interaction (HRI 2011)*, 181-182.

**Lee, M.K.**, Forlizz, J., Kiesler, S., Cakmak, M., & Srinivasa, S. (2011). Predictability or adaptivity? Designing robot handoffs modeled from trained dogs and people. In *Late-breaking Reports of Human-Robot Interaction (HRI 2011)*, 179-180.

Kim, M.S., Cha, B.K., Park, D.M., Lee, S.M., Kwak, S., & **Lee, M.K.** (2010). Dona: Urban donation motivating robot. In *Video Session of Human-Robot Interaction (HRI 2010)*.

#### **Best Video Honorable Mention**

Kim, M.S., Cha, B.K., Park, D.M., Lee, S.M., Kwak, S., & **Lee, M.K.** (2010). Dona: Urban donation motivating robot. In *Late-breaking Reports of Human-Robot Interaction (HRI 2010)*, 159-160.

**Lee, M.K.**, Dillahunt, T., Pendleton, B., Kraut, R., & Kiesler, S. (2009). Tailoring websites to increase contributions to online communities. In *Extended Abstracts of Human Factors in Computing Systems (CHI EA 2009)*, 4003-4008.

**Lee, M.K.** & Makatchev, M. (2009). How do people talk with a robot: An analysis of human-robot dialogues in the real world. In *Extended Abstracts of Human Factors in Computing Systems (CHI EA 2009)*, 3769-3774.

Makatchev, M., **Lee, M.K.**, & Simmons, R. (2009). Relating initial turns of human-robot dialogues to discourse. In *Late-breaking Reports of Human-Robot Interaction (HRI 2009)*, 321-322.

Davidoff, S., **Lee, M.K.**, Zimmerman, J., & Dey, A.K. (2006). Socially-aware requirements for a smart home for families. In *Proceedings of the International Symposium on Intelligent Environments*, 45-48.

## PATENT

**Min Kyung Lee**, Myoung Seock Kim: Interactive Toy Set, KAIST, KR#0513261

## PROFESSIONAL SERVICE

### JOURNAL EDITORIAL BOARD

**ACM Transactions on Human-Robot Interaction (THRI) Associate Editor 2017-now**

### CONFERENCE ORGANIZATION

**ACM/SIGCHI CHI Conference Program Committee Associate Chair 2018**

**ACM/SIGCHI CHI Conference Telepresence Chair 2017**

**Robotics: Science and Systems (RSS) Program Committee 2017**

**ACM/IEEE HRI Conference Program Committee Associate Chair 2015-2017**

**ACM Ubicomp Conference Program Committee Associate Chair 2016**

**ACM/SIGCHI CHI Conference Work-In-Progress Associate Chair 2010**

**HRI Student Volunteers Co-Chair 2010**

**Sharing Experiences Conference Co-Chair 2009**

Conference co-chair. Co-organized with Jaewoo Chung (MIT Media Lab), Keywon Chung (MIT Media Lab), Jieun Hwang (Univ. of Seoul), Seonghyuck Lee (Oracle). Instructed a three day workshop on designing robotic services in conjunction with the conference.

**Emergence 2007 Conference Program Committee, Carnegie Mellon University**

The first conference on service design in US, which spun off Service Design Network ([www.service-design-network.org](http://www.service-design-network.org)). Responsible for coordinating reviews of paper submissions

## PANELS & WORKSHOPS

**ACM/SIGCHI CHI 2016 Panel - Algorithmic Authority: The Ethics, Politics, and Economics of Algorithms that Interpret, Decide, and Manage**

Co-organizer, with Caitlin Lustig (UC Irvine), Katie Pine (UC Irvine), Bonnie Nardi (UC Irvine), Lilly Irani (UC San Diego), Dawn Nafus (Intel), and Christian Sandvig (Univ. of Michigan)

**ACM CSCW 2016 Workshop - Algorithms at Work**

Co-organizer, with Susann Wagenknecht (Univ. of Siegen), Caitlin Lustig (UC Irvine), Jacki O'Neill (Microsoft), and Himanshu Zade (Univ. of Washington)



### **Global Service Jam 2012**

Co-organizer, with Lauren Champman and Abby Wilson (Maya Design); Mark Choi, Hakon Faste, Ian Hargraves, Miso Kim, and Chongho Lee (CMU School of Design); and Gabriella Marcu (CMU HCI Institute).

### **HRI Pioneers Workshop 2010**

Co-organizer, with Kate Tsui (UML), Henriette Cramer (Univ. of Amsterdam), Osawa Hirotaka (Keio Univ.), Laurel Riek (Univ. of Cambridge), Satoru Satake (ATR), Kristen Stubbs (iRobot), and Ja-Young Sung (Georgia Tech).

## REVIEW

### Journals

Big Data & Society 2017  
Journal of Computer-Mediated Communication 2016-2017  
ACM Transactions on Computer-Human Interaction (ToCHI) 2016  
International Journal of Social Robotics 2010-2017  
IEEE Pervasive Computing 2014-2015  
Journal of Human-Robot Interaction 2012, 2015  
ACM Transactions on Interactive Intelligent Systems 2011  
Interaction Studies 2011  
Journal of Behavioral Robotics 2010  
International Journal of Design 2010

### Conferences

ACM/SIGCHI Conference on Human Factors in Computing Systems (CHI) 2009-2018  
ACM/IEEE International Conference on Human Robot Interaction (HRI) 2009-2018  
ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW) 2015-2017  
ACM Conference on Designing Interactive Systems (DIS) 2012, 2016  
ACM Conference on Ubiquitous Computing (UbiComp) 2016  
IEEE Pervasive Magazine 2014-2015  
Graphics Interface 2011

## VOLUNTEERING

Reviewer for National Center for Women Information Technology Award for Aspirations in Computing 2009

### **Student volunteer**

CHI 2009, Service Design Network 2010, HRI 2011, HRI 2012

## INVITED TALKS

Microsoft Research New York City, NY.

Dec. 19, 2017

Psychology of Technology Conference, University of California, Berkeley, Berkeley, CA.

Nov. 3, 2017

“Toward fair and trustworthy algorithms”

Society for the Advancement of Socio-Economics (SASE) Conference, University of California, Berkeley, Berkeley, CA. June 25, 2016

“Working with machines: The impact of algorithmic, data-driven management on human workers”

University of California, Berkeley, School of Information, Berkeley, CA. Apr. 7, 2016  
“Unpacking the potential of algorithms in human matters”

Harvard University, Berkman Center for Internet and Society, Boston, MA. Nov. 10, 2015  
“Unpacking the potential of algorithms in human matters”

Rising Star in EECS, MIT, Boston, MA. Nov. 9, 2015  
“Unpacking the potential of algorithms in human matters”

Carnegie Mellon University, HCI Institute, Pittsburgh, PA. Oct. 30, 2015  
“Unpacking the potential of algorithms in human matters”

NSF Early-Career Investigator’s Workshop on CPS in Smart Cities, Seattle, WA. Apr. 13, 2015  
“Designing human-centered cyber-physical systems: Algorithmic management and mediated decision-making”

University of Michigan, School of Information, Ann Arbor, MI. Oct. 28, 2014  
“Designing the future of work: Understanding the impact of intelligent machines on management, collaboration, and decision-making”

## TEACHING EXPERIENCE

**Human Factors** | Carnegie Mellon University, HCI Institute, Spring 2015  
Guest lecturer. Organized a session on physiological and consumer-graded neurological sensors for human factors studies with Laura Dabbish

**Applied Research Methods** | Carnegie Mellon University, HCI Institute, Fall 2014  
Guest lecturer, Organized a session on physiological and consumer-graded neurological sensors as a research tool with Sara Kiesler

**Designing for Service** | Carnegie Mellon University, School of Design, Fall 2012  
Guest lecturer. Led design critiques with Jodi Forlizzi

**Design Seminar** | Carnegie Mellon University, School of Design, Spring 2011  
Guest lecturer. Lectured on the role of theory in design with Peter Scupelli

**Basic Interaction Design** | Carnegie Mellon University, HCI Institute, Spring 2010  
Teaching Assistant with Eric Paulos and Peter Scupelli

**HCI Method** | Carnegie Mellon University, HCI Institute, Fall 2009  
Teaching Assistant with John Zimmerman and Aniket Kittur

**Basic Interaction Design** | Carnegie Mellon University, School of Design, Fall 2009  
Guest lecturer. Lectured on the speed dating design method with Jodi Forlizzi

**Advanced Interface Design** | Carnegie Mellon University, School of Design, Fall 2006  
Teaching Assistant with Jodi Forlizzi

## STUDENT MENTORING

Graduate & Undergraduate Researchers {Selected List}	Jitae Kim (Design) 2016-now
	Anuraag Jain (HCI & Computer Science) 2016-now
	Lisa Otto (Design) 2016-2017, now at EchoUser
	Vincent Kang (Computer Science) 2016-2017
	Su Baykal (HCI & Cognitive Psychology) 2014-2016, now at Google



Nathaniel Fruchter (Decision Science) 2014-2016, now a Master's student at MIT, Technology and Policy Program  
Dylan Steele (Computer Science & Physics) 2015-2016  
Daniel Kusbit (Ethics, History & Public Policy) 2014-2015, now at Allegheny County Controller's office  
Evan Metsky (HCI & Cognitive Psychology) 2014-2015, now a Master's student at Univ. of Michigan, School of Information  
Mirae Kim (HCI) Fall 2014, now at HUGE

## SELECTED PRESS

Algorithms & Robots  
in the Workplace

"Artificial intolerance" in **MIT Technology Review**, Mar. 2016 [[Link](#)]  
"On-demand workers unite online to fight Uber and the gig economy" in **New Scientist**, Dec. 2015 [[Link](#)]  
"When your boss is an Uber algorithm" in **MIT Technology Review**, Dec. 2015 [[Link](#)]  
"Detest Uber's surge pricing? Some drivers don't like it either" in **CNET**, Aug. 2015 [[Link](#)]  
"How Uber surge pricing really works" in **the Washington Post**, Apr. 2015 [[Link](#)]  
"When your boss wears metal pants" in **Harvard Business Review**, June. 2015 [[Link](#)]  
"How robots will work with us isn't only a technological question" in **Harvard Business Review**, Mar. 2014 [[Link](#)]  
"Why it's bad to be a robot on the phone" in **The Atlantic**, Nov. 2014 [[Link](#)]  
"Polite robot overlords will be more persuasive" in **IEEE Spectrum**, Mar. 2013 [[Link](#)]  
"How a robot can replace you at work - and how it can't" in **New Scientist**, Mar. 2011 [[Link](#)]  
"Just like Mombot used to make" in **New York Times**, Feb. 2010 [[Link](#)]  
"Snackbot: Polite host, research platform, vending machine" on **CNET**, Oct. 2009 [[Link](#)]  
"The new Pittsburgh" on **CBS National News** (Television), Sept. 2009 [[Link](#)]

Smart Bag

**Designing interactive systems: People, activities, contexts, technologies** (Book), 2009  
David Benyon, Phil Turner, and Susan Turner. Addison Wesley.  
**Mobile technology for children: Designing for interaction and learning** (Book), 2009  
Allison Drulin. Morgan Kaufmann  
"The Kindness Lab" in **Spirit Magazine**, 2008

Speed Dating  
Method

**Universal methods of design: 100 ways to research complex problems, develop innovative ideas, and design effective solutions** (Book), 2012  
Bruce Hanington, Bella Martin. Rockport Publishers.

## INVITED RESEARCH FORUMS

**NIST & US Ignite Global City Team Challenge Expo**  
Washington D.C., June 2015

**NSF Early-Career Investigator's Workshop on Cyber-Physical Systems in Smart Cities**  
Seattle, WA, Apr. 2015

**NSF/CRA 2025 The New Making Renaissance Workshop**

Napa Valley, CA, June 2014

**NSF Early-Career Professionals' Workshop on Exploring New Frontiers in Cyber-Physical Systems**

Washington D.C., Mar. 2014

**Google GRAD Forum**

Google, Mountain View, CA, Jan. 2012

**Summer Institute, Consortium for the Science of Sociotechnical Systems**

Captiva Island, FL, June 2011

**NSF-JST joint workshop on social remote presence**

Palo Alto, CA, Nov. 2010