

## Gillian R. Hayes

Department of Informatics, Donald Bren  
School of Information and Computer Sciences  
School of Education

Department of Pediatrics, School of Medicine  
University of California, Irvine 92617-3440

gillianrh@ics.uci.edu  
<http://www.gillianhayes.com>  
5084 Donald Bren Hall  
+1.949.824.1483

---

### EDUCATION

#### **Georgia Institute of Technology, Atlanta, GA**

Ph.D. in Computer Science

Documenting and Understanding Everyday Activities Through the Selective Archiving of Live Experiences. *Doctoral Thesis. UMI Order Number: AAI3271519*

#### **Vanderbilt University, Nashville, TN**

B.S. in Computer Science and Mathematics, Cum Laude

### PROFESSIONAL EXPERIENCE (ACADEMIC)

#### **University of California, Irvine**

Professor, Department of Informatics, Donald Bren  
School of Information and Computer Sciences  
Professor, School of Education  
Professor, Department of Pediatrics, School of Medicine

**2007-Present**  
July 2015-Present

Robert A. and Barbara L. Kleist Chair in Informatics

June 2014-Present

Associate Professor, Department of Informatics, Donald  
Bren School of Information and Computer Sciences  
Associate Professor, School of Education  
Associate Professor, Department of Pediatrics, School of  
Medicine

July 2013-June 2015

Assistant Professor, Department of Informatics, Donald  
Bren School of Information and Computer Sciences  
Assistant Professor, School of Education

July 2007-June 2013

June 2010-June 2013

#### **Georgia Institute of Technology**

Graduate Research Assistant, College of Computing

**2002-2007**  
2002-2007

Instructor, College of Computing

Summer 2005

### PROFESSIONAL EXPERIENCE (ADMINISTRATIVE)

#### **University of California, Irvine**

*Faculty Director, Master of Human Computer Interaction  
and Design*

**2012-Present**  
2015-Present

Responsible for leadership and management of seven program faculty, nine industry advisory board members, and three staff. Co-created and shepherded self-supporting program through the senate and administrative approval process. Created and implemented marketing, communications, and recruitment plan. Developed mentorship program with industry professionals. Responsible for annual operating budget of \$2 million, including raising private funds through strategic partnerships.

*Vice Chair, Graduate Affairs, Department of Informatics* July 2014-Present  
Responsible for overall administration and success of graduate programs in the Department of Informatics, including MS and PhD in Informatics, MS and PhD in Software Engineering, and Master's of Human Computer Interaction and Design. Responsible for developing and enacting policy surrounding graduate education and leading the program learning outcomes assessment process.

*Co-Director for the Intel Science and Technology Center for Social Computing (UCI Site)* July 2014-May 2015  
Provided overall leadership for the UCI site of a five-university collaboration during its final year. Responsible for finalizing work and reporting for three-year, \$6 million program.

*Faculty Director of Civic and Community Engagement, Division of Undergraduate Education, UCI* March 2014-July 2017  
Provide overall leadership, including pedagogical and curricular guidance, program assessment, and coordination with other campus programs for the minor in civic and community engagement. Responsible for direction of two part-time staff members, leading a faculty advisory board, developing and implementing policy for the program, recruiting and retaining students, and raising funds to support program activities.

*Director of Technology Research, The Center for Autism and Neurodevelopmental Disorders* December 2012-Present  
Responsible for overall leadership in research for technologies for autism for a major autism clinic. Provide guidance for technological interventions and vet potential research collaborations with industry and academic partners.

#### PROFESSIONAL EXPERIENCE (INDUSTRY)

**Tiwahe Technology** 2012-present  
Chief Science Officer

**Roundarch (now Isobar)** May 2007-October 2007  
Senior Experience Design Researcher

**IBM** May 2006-August 2006  
Research Intern

**Intel** May 2003-August 2003  
Research Intern

**Avanade, Inc.** August 2004-December 2004  
February 2001-April 2002  
Solutions Development Consultant

**Deloitte Consulting** June 1999-February 2001  
Systems Analyst

## HONORS AND AWARDS AS FACULTY

- Western Region Campus Compact, Engaged Scholar Award Finalist 2017
- Jacobs Foundation Advanced Research Fellow 2016-2018
- UCI School of ICS Dean's Mid-Career Award for Research 2014
- UCI School of ICS Dean's Award for Undergraduate Teaching 2013
- UCI Celebration of Teaching Award for Pedagogical Innovation 2009
- UCI Undergraduate Research Opportunities Program Mentor of the Month June 2009
- NSF CAREER Award 2009
- UCI Chancellor's Award for Excellence in Undergraduate Research 2008
- Kavli Fellow, National Academy of Sciences 2007-2009

## HONORS AND AWARDS AS GRADUATE STUDENT

- IBM PhD Fellowship 2006-2007
- Google Anita Borg Memorial Scholarship 2006-2007
- Georgia Tech Don Bratcher Human Relations Award 2005
- Organization for Autism Research Graduate Research Fellowship 2004-2005
- Georgia Tech President's Fellowship 2002-2007
- John P. Imlay Dean's Chair Endowment Fellowship 2002-2006

## JOURNAL PUBLICATIONS (PEER-REVIEWED)

- [J.32] Haimson, O., Andalibi, N., De Choudhury, M., & Hayes, G.R. (2017) Relationship breakup disclosures and media ideologies on Facebook. *New Media & Society* Online First: June-08-2017. 10.1177/1461444817711402
- [J.31] Cohen, D.J., Keller, S.R., Hayes, G.R., Dorr, D.A., Ash, J.A., and Sitting, D.F. (2016). Integrating Patient Generated Health Data Into Clinical Care Settings/Clinical Decision-Making: Lessons Learned from Project HealthDesign. *JMIR Human Factors*. 3(2):e26
- [J.30] Tentori, M., Escobedo, L., Hernandez, C., Matic, A., & Hayes, G.R. (2016). Pervasive Displays in Classrooms of Children with Severe Autism. *IEEE Pervasive Computing*, 15(3), 48-57.
- [J.29] Schomberg, J., Haimson, O.L., Hayes, G.R., Anton-Culver, H. (2016) Supplementing Public Health Inspection via Social Media. *PLoS one*, 11(3), e0152117.
- [J.28] Boyd, L.E., Ringland, K.E., Haimson, O.L., Fernandez, H., Bistarskey, M., and Hayes, G.R. (2015) Evaluating a Collaborative iPad Game's Impact on Social Relationships for Children with Autism Spectrum Disorder. *ACM Transactions on Accessible Computing*. 7(1), 3.
- [J.27] Hayes, G.R., Custodio, V.E., Haimson, O.L., Nguyen, K., Ringland, K.E., Ulgado, R.R., Waterhouse, A. and Weiner, R. (2015) Mobile video modeling for employment interviews for individuals with autism. *Journal of Vocational Rehabilitation*. 43(3), 275-287.
- [J.26] Cramer, G. and Hayes, G.R. (2015). To Separate and To Share: Designing for Personalized and Collaborative Participatory Learning. *International Journal of Learning and Media*. In Press.
- [J.25] Cheng, K.G., Hayes, G.R., Hirano, S.H., Nagel, M.S., & Baker, D. (2014). Challenges of Integrating Patient-Centered Data into Clinical Workflow for Care of High-Risk Infants. *Personal and Ubiquitous Computing*. 19(1), 45-57.

- [J.24] Cohen, D.J., Keller, S.R., Hayes, G.R., Dorr, D.A., Ash, J.S., & Sittig, D.F. (2014). Developing a model for understanding patient collection of observations of daily living: A qualitative meta-synthesis of the Project HealthDesign Program. *Personal and Ubiquitous Computing*. 19(1), 91-102.
- [J.23] Hayes, G.R., Cheng, K.G., Hirano, S.H., Tang, K.P., Nagel, M.S., & Baker, D.E. (2014). Estrellita: A Mobile Capture and Access Tool for the Support of Preterm Infants and their Caregivers. *ACM Transactions on Computer-Human Interaction (TOCHI)*, (21)3:19.
- [J.22] Chen, J., Dourish, P., Hayes, G.R., and Mazmanian, M. (2014). From interaction to performance with public displays. *Personal and Ubiquitous Computing*. 18 (7): 617-1629
- [J.21] Hirano, S. H., Hayes, G. R., & Truong, K. N. (2014). uSmell: exploring the potential for gas sensors to classify odors in ubicomp applications relative to airflow and distance. *Personal and Ubiquitous Computing*, 1-14.
- [J.20] Dombrowski, L., Hayes, G. R., Mazmanian, M., & Volda, A. (2014). E-Government Intermediaries and the Challenges of Access and Trust. *ACM Transactions on Computer-Human Interaction (TOCHI)*, 21(2), 13.
- [J.19] Brubaker, J. R., Hayes, G. R., & Dourish, P. (2013). Beyond the Grave: Facebook as a site for the expansion of death and mourning. *The Information Society*, 29(3), 152-163.
- [J.18] McQueen D, Lakes K, Rich J, Vaughan J, Hayes G.R., Cooper D, & Olshansky, E. (2013). Feasibility of a caregiver-assisted exercise program for preterm infants. *The Journal of perinatal & neonatal nursing*, 27(2): 184-92. PubMed PMID: 23618941.
- [J.17] Hayes, G.R., & Truong, K.N. (2013). Paratyping: A Contextualized Method of Inquiry for Understanding Perceptions of Mobile and Ubiquitous Computing Technologies. *Human-Computer Interaction*, 28(3), 265-286.
- [J.16] Tentori, M., Hayes, G.R., & Reddy, M. (2012). The Patient and Clinician Experience in Pervasive Healthcare. *Foundations and Trends® in Human-Computer Interaction*, (5)1: 1-95.
- [J.15] Hayes, G.R., Patterson, D.J., Singh, M., Gravem, D., Rich, J., & Cooper, D. (2011). Supporting the Transition from Hospital to Home for Premature Infants Using Integrated Mobile Computing and Sensor Support. *Personal and Ubiquitous Computing*, (15)8: 871-885.
- [J.14] Grinter, R.E., Wyche, S.P., Hayes, G.R., & Harvel, L.D. (2011) Technology in Protestant Ministry. *Journal of Computer Supported Cooperative Work*. 20(6): 449-472.
- [J.13] Hayes, G.R. (2011). The Relationship of Action Research to Human-Computer Interaction. *ACM Transactions on Computer-Human Interaction (TOCHI)*, 18(3): 15.
- [J.12] Lindtner, S., Chen, J., Hayes, G.R., & Dourish, P. (2011). Towards a Framework of Publics: Re-encountering Media Sharing and its Use. *ACM Transactions on Computer-Human Interaction (TOCHI)*, 18(2): 5.
- [J.11] Hayes, G.R., Lee, C.P., & Dourish, P. (2011). Organizational routines, innovation, and flexibility: the application of narrative networks to dynamic workflow. *International Journal of Medical Informatics (IJMI)*. 80(8): 161-177.
- [J.10] Ngo-Metzger, Q., Hayes, G.R., Chen, Y., Cygan, R., & Garfield, C.E. (2010). Improving Communication Between Patients and Providers Using Health Information Technology and Other Quality Improvement Strategies: Focus on Asian Americans. *Medical Care Research and Review*. October 2010. 245-266.

- [J.9] Ngo-Metzger, Q., Hayes, G.R., Chen, Y., Cygan, R., & Garfield, C.E. (2010). Improving Communication Between Patients and Providers Using Health Information Technology and Other Quality Improvement Strategies: Focus on Low-Income Children. *Medical Care Research and Review*. October 2010. 267-297.
- [J.8] Cramer, M.D. & Hayes, G.R. (2010). Acceptable Use in the Age of Connected Youth: How Risks, Policies, and Promises of the Future Impact Student Access to Mobile Phones and Social Media in Schools. *IEEE Pervasive Computing*, 9(3), July-September 2010. 37-44.
- [J.7] Massimi, M., Truong, K.N., Dearman, D., & Hayes, G.R. (2010). Understanding Recording Technologies in Everyday Life. *IEEE Pervasive Computing*, 9(3), July-September 2010. 64-71.
- [J.6] Hayes, G.R., Hirano, S., Marcu, G., Monibi, M., Nguyen, D.H., & Yeganyan, M. (2010). Interactive Visual Supports for Children with Autism. *Personal and Ubiquitous Computing*, 14(7): 663-680.
- [J.5] Nguyen, D.H. & Hayes, G.R. (2010). Information Privacy in Institutional and End-User Tracking and Recording Technologies. *Personal and Ubiquitous Computing*, 14(1): 53-72.
- [J.4] Truong, K.N. & Hayes, G.R. (2009). Ubiquitous Computing for Capture and Access. *Foundations and Trends® in Human-Computer Interaction*, (2):2, 95-171.
- [J.3] Hayes, G.R., Poole, E.S., Iachello, G., Patel, S.N., Grimes, A., Abowd, G.D., & Truong, K.N.. (2007). Physical, Social, and Experiential Knowledge in Pervasive Computing Environments. *IEEE Pervasive Computing*. (6)4: 56-63.
- [J.2] Kientz, J.A., Hayes, G.R., Westeyn, T., & Abowd, G.D. (2007). Pervasive Computing and Autism: Assisting Caregivers of Children with Special Needs. *IEEE Pervasive Computing*, (6)1: 28-35.
- [J.1] Abowd, G.D., Hayes, G.R., Iachello, G., Kientz, J.A., Patel, S.N., Stevens, M., & Truong, K.N. (2006) Prototypes and Paratypes: Designing Mobile and Ubiquitous Computing Applications. *IEEE Pervasive Computing*, (4)4: 67-73.

#### BOOK

- [B.1] Kientz, J.A., Goodwin, M.S., Hayes, G.R., & Abowd, G.D. (2013) *Interactive Technologies for Autism*. Morgan & Claypool.

#### BOOK CHAPTERS

- [BC.6] Hayes, G.R., (2014) Action Research: Knowing through Doing. In J. Olson & W. Kellogg (Eds.), *Ways of Knowing in HCI*. Springer.
- [BC.5] Siek, K., Hayes, G.R., Newman, M., & Tang, J. (2014) Field Deployments: Knowing from Using in Context. In J. Olson & W. Kellogg (Eds.), *Ways of Knowing in HCI*. Springer.
- [BC.4] Hayes, G.R., Yeganyan, M.T., Brubaker, J.R., O'Neal, L., & Hosaflook, S.W. (2013) Using Mobile Technologies to Support Students in Work Transition Programs. In. K. Boser, M.S. Goodwin, and S.C. Wayland (Eds.) *Technology Tools for Students With Autism*. Brooke's Publishing.
- [BC.3] Abowd, G.D., Kientz, J.A., Hayes, G.R., Arriaga, R.I, & Nazneen. (2013) Tools to support simplified capture activities in natural environments. In. K. Boser, M.S. Goodwin, and S.C. Wayland (Eds.) *Technology Tools for Students With Autism*. Brooke's Publishing.
- [BC.2] Hayes, G.R. & Truong, K.N. (2009) Selective Archiving: A Model for Privacy Sensitive Capture and Access Technologies. In A. Senior (Ed.)

- [BC.1] Patel, S.N., Truong, K.N., Hayes, G.R., Iachello, G., Kientz, J.A., & Abowd, G.D. (2008) The Personal Audio Loop: A Ubiquitous Audio-Based Memory Aid. In J. Lumsden (Ed.) *Handbook of Research on User Interface Design and Evaluation for Mobile Technology*, Information Science Reference.

PROCEEDINGS

- [CP.2] Chu, H.H. & Hayes, G.R. (2012) *Proceedings of the 14<sup>th</sup> International Conference on Ubiquitous Computing: Ubicomp 2012*. (Pittsburgh, PA)
- [CP.1] Hayes, G.R. & Tan, D.S. (2009) *Proceedings of the 1<sup>st</sup> International Workshop on Interactive Systems for Healthcare (WISH)*. (Atlanta, GA).

CONFERENCE FULL PUBLICATIONS (PEER-REVIEWED)

- [C.49] Boyd, L.E., Rector, K., Profita, H., Stangl, A., Zolyomi, A., Kane, S., & Hayes, G.R. (2017) Understanding the Role Fluidity of Stakeholders During Assistive Technology Research "In the Wild." To Appear In Proc CHI 2017.
- [C.48] Boyd, L.E., Jiang, X., & Hayes, G.R. (2017) ProCom: Designing and Evaluating a Mobile and Wearable System to Support Proximity Awareness for People with Autism. To Appear in Proc CHI 2017.
- [C.47] Rho, E., Haimson, O., Andalibi, N., Mazmanian, M., & Hayes, G.R. (2017) Class Confessions: "Restorative Properties" in the Online Experience of Socioeconomic Stigma. To Appear In Proc CHI 2017.
- [C.46] Ringland, K.E., Wolf, C.T., Boyd, L., Baldwin, M., and Hayes, G.R. (2016) Would You Be Mine: Appropriating Minecraft as an Assistive Technology for Youth with Autism. Proc ASSETS 2016. **[Best Paper]**
- [C.45] Haimson, O. L., Brubaker, J. R., Dombrowski, L., & Hayes, G. R. (2016) Digital Footprints and Changing Networks During Online Identity Transitions. *Proc CHI 2016*. 2895-2907 **[Best Paper, Honorable Mention]**
- [C.44] Ringland, K.E., Wolf, C.T., Faucett, H., Dombrowski, L.D., & Hayes, G.R. (2016) "Will I always be not social?": Re-Conceptualizing Sociality in the Context of a Minecraft Community for Autism. *Proc CHI 2016*. 1256-1269
- [C.43] Boyd, L., Rangel, A., Tomimbang, H., Conejo-Toledo, A., Patel, K., Tentori, M., & Hayes, G.R. (2016) SayWAT: Augmenting Face-to-Face Conversations for Adults with Autism. *Proc CHI 2016*. 4872-4883.
- [C.42] Haimson, O., Brubaker, J., Dombrowski, L., & Hayes, G. R. (2015). Disclosure, Stress, and Support During Gender Transition on Facebook. In *Proc CSCW 2015*. 1176-1190. **[Best Paper, Honorable Mention]**
- [C.41] Ringland, K. E., Wolf, C. T., Dombrowski, L., & Hayes, G. R. (2015). Making "Safe": Community-Centered Practices in a Virtual World Dedicated to Children with Autism. In *Proc CSCW 2015*. 1788-1800.
- [C.40] Penzenstadler, B., Tomlinson, B., Baumer, E., Pufal, M., Raturi, A., Richardson, D.J., Cakici, B., Chitchyan, R., Da Costa, G., Dombrowski, L., Edwardsson, M.P., Eriksson, E., Franch, X., Hayes, G.R., Herzog, C., Lohmann, W., Mahaux, M., Mavin, A., Mazmanian, M., Nayebaziz, S., Norton, J., Pargman, D., Patterson, D.J., Pierson, J.M., Roher, K., Silberman, M.S., Simonson, K., Torrance, A.W., & van der Hoek, A. (2014) ICT4S 2029: What will be the systems supporting sustainability in 15 years? In *Proc ICTS'14*. doi:10.2991/ict4s-14.2014.4 **[Best Paper, Honorable Mention]**
- [C.39] Ringland, K., Zalapa, R., Neal, M., Escobedo, L., Tentori, M., & Hayes, G.R. (2014) SensoryPaint: A Multimodal Sensory Intervention for Children with Neurodevelopmental Disorders. in *Proc Ubicomp 2014*. 871-882. **[Best Paper, Honorable Mention]**

- [C.38] Matic, A., Hayes, G.R., Tentori, M., Abdullah, M., & Schuck, S. (2014) Collective use of a Situated Display to Encourage Positive Behaviors in Children with Behavioral Challenges. in *Proc Ubicomp 2014*. 883-893. **[Best Paper, Honorable Mention]**
- [C.37] Pina, L, Rowan, K., Roseway, A., Johns, P., Hayes, G.R., & Czerwinski, M. (2014) In Situ Cues for ADHD Parenting Strategies Using Mobile Technology. In *Proc of Pervasive Health*. **[Best Paper]**
- [C.36] Haimson, O. L., Brubaker, J. R., & Hayes, G. R. (2014) DDF Seeks Same: Sexual Health-Related Language in Online Personal Ads For Men Who Have Sex With Men. In *Proc CHI 2014*, 1615-1624.
- [C.35] Brubaker, J. R., Dombrowski, L., Gilbert, A., Kusumakaulika, N., & Hayes, G. R. (2014) Stewarding a Legacy: Responsibilities and Relationships in the Management of Post-mortem Data. In *Proc. CHI 2014*, 4157-4166.
- [C.34] Volda, A., Dombrowski, L., Hayes, G.R. & Mazmanian, M. (2014) Shared values/conflicting logics: Working around e-government systems. In *Proc CHI 2014*, 3583-3592. **[Best Paper, Honorable Mention]**
- [C.33] Hirano, S., Brubaker, J.R., Patterson, D.J., & Hayes, G.R. (2013) Detecting Cooking State with Gas Sensors During Dry Cooking. In *Proc Ubicomp '13*. 411-414.
- [C.32] Dombrowski, L., Brubaker, J.R., Mazmanian, M., & Hayes, G.R. (2013) It Takes a Network to Get Dinner: Designing Location-based Systems to Address Local Food Needs. In *Proc Ubicomp '13*. 519-528.
- [C.31] Tang, K.P., Hirano, S.H., Cheng, K.C., & Hayes, G.R. (2012) Balancing Caregiver and Clinician Needs in a Mobile Health Informatics Tool for Preterm Infants. In *Proc Pervasive Health '12*.
- [C.30] Brubaker, J., Kivran-Swaine, F., Taber, L. & Hayes, G.R. (2012) Grief-Stricken in a Crowd: The language of bereavement and distress in social media. In *Proc ICWSM '12*. **[Best Paper, Honorable Mention]**
- [C.29] Escobedo, L., Nguyen, D.H., Boyd, L.A., Hirano, S.H., Rangel, A., Garcia, D., Tentori, M., & Hayes, G.R. (2012) MOSOCO: A Mobile Assistive Tool to Support Children with Autism Practicing Social Skills in Real-Life Situations. In *Proc CHI '12*. 2589-2598.
- [C.28] Dombrowski, L., Volda, A. Hayes, G.R., & Mazmanian, M. (2012) The Labor Practices of Service Mediation: A Study of the Work Practices of Food Assistance Outreach. In *Proc CHI '12*. 1977-1986.
- [C.27] Jeong, H.Y., Hayes, G.R., Yun, T., Sung, J., Abowd, G.D., & Arriaga, R.I. (2011) Act Collectively: Opportunities for Technologies to Support Low-Income Children with Asthma. In *Proc BCS HCI '11*.
- [C.26] Nguyen, D.H. & Hayes, G.R. (2011) Using Responses to Video Recording to Situate the Concern for Information Privacy. In *Proc CHI'11*. 3207-3216.
- [C.25] Cramer, M.D., Hirano, S., Tentori, M., Yeganyan, M., & Hayes, G.R. (2011) Classroom-Based Assistive Technology: Collective Use of Interactive Visual Schedules by Students with Autism. In *Proc CHI'11*. 1-10.
- [C.24] Brubaker, J.R. & Hayes, G.R. (2011) "We will never forget you [online]": An empirical investigation of post-mortem MySpace comments. In *Proc CSCW'11*. 123-132. **[Best Paper, Honorable Mention]**
- [C.23] Brubaker, J.R. & Hayes, G.R. (2011) SELECT \* FROM USER: Infrastructure and Socio-technical Representation. In *Proc CSCW'11*. 369-378 **[Best Paper, Honorable Mention]**
- [C.22] Liu, L.S., Hirano, S.H., Tentori, M., Cheng, K.G., George, S., Park, S., & Hayes, G.R. (2011) Improving Communication and Social Support for Caregivers of High-Risk Infants through Mobile Technologies. In *Proc CSCW'11*. 475-484.
- [C.21] Liu, L.S., Shih, P.C., & Hayes, G.R. (2011) Barriers to the Adoption and Use of Personal Health Record Systems. In *Proc 2011*. 363-370.

- [C.20] Mankoff, J., Hayes, G.R., & Kasnitz, D. (2010) Disability Studies as a Source of Critical Inquiry for the Field of Assistive Technology. In *Proc Assets 2010*, 3-10. **[Best Paper]**
- [C.19] Tentori, M. & Hayes, G.R. (2010) Designing for Interaction Immediacy to Enhance Social Skills of Children with Autism. In *Proc Ubicomp 2010*, 51-60.
- [C.18] Hirano, S., Yeganyan, M., Marcu, G., Nguyen, D., Boyd, L.A., & Hayes, G.R. (2010) vSked: Evaluation of a System to Support Classroom Activities for Children with Autism. In *Proc CHI 2010*, 1633-1642.
- [C.17] Marcu, G., Kaufman, S.J., Lee J.K., Black, R.W., Dourish, P., Hayes, G.R., & Richardson, D.J. (2010) Design and Evaluation of a Computer Science and Engineering Course for Middle School Girls. In *Proc SIGCSE 2010*, 234-238.
- [C.16] Nguyen, D. H., Marcu, G., Hayes, G. R., Truong, K. N., Scott, J., Langheinrich, M. & Roduner, C. (2009) Encountering SenseCam: Personal Recording Technologies in Everyday Life. In *Proc UbiComp 2009*, 165-174.
- [C.15] Shih, P.C., Nguyen, D.H., Hirano, S., Redmiles, D., & Hayes, G.R. (2009) GroupMind: Supporting Brainstorming through a Collaborative Mind-mapping Tool In *Proc ACM GROUP'09*, 139-148.
- [C.14] Irani, L., Hayes, G.R., & Dourish, P. (2008) Situated Practices of Looking: Visual Practice in an Online World. In *Proc CSCW 2008*, 187-196.
- [C.13] Nguyen, D.H., Hayes, G.R., & Kobsa, A. (2008) An Empirical Investigation of Concerns of Everyday Tracking and Recording Technologies. In *Proc Ubicomp 2008*, 182-191.
- [C.12] Hayes, G.R., Abowd, G.D., Davis, J., Blount, M., Ebling, M., & Mynatt, E.D. (2008) Opportunities for Pervasive Computing in Chronic Cancer Care. In *Proc Pervasive 2008*, 262-269.
- [C.11] Hayes, G.R., Gardere, L., Abowd, G.D, & Truong, K.N. (2008) CareLog: A Selective Archiving Tool for Behavior Management in Schools. In *Proc CHI 2008*, 685-694.
- [C.10] Kientz, J.A., Arriaga, R., Chetty, M. Hayes, G.R., Richardson, J., Patel, S.N., & Abowd, G.D. (2007) Understanding Record-Keeping Needs for the Development of Young Children. In *Proc CHI 2007*, 1351-1360.
- [C.9] Wyche, S.P., Hayes, G.R., Harvel, L.D., & Grinter, R.E. (2006) *Technology in Spiritual Formation: An Exploratory Study of Computer Mediated Religious Communications*. In *Proc CSCW 2006*, 199-208. **[Best Paper, Honorable Mention]**
- [C.8] Kientz, J.A., Hayes, G.R., Grinter, R.E., & Abowd, G.D. (2006) *From the War Room to the Living Room: Decision Support for Home-based Therapy Teams*. In *Proc CSCW 2006*, 209-218. **[Best Paper, Honorable Mention]**
- [C.7] Patel, S.N., Kientz, J.A., Hayes, G.R., & Abowd, G.D. (2006) Farther Than You May Think: An Empirical Investigation of the Proximity of Users to Their Mobile Phones. In *Proc Ubicomp '06*. 123-140, 2006.
- [C.6] Truong, K.N., Hayes, G.R., & Abowd, G.D. (2006) *Storyboarding: An Empirical Determination of Best Practices and Effective Guidelines*. In *Proc DIS 2006*, 12-21.
- [C.5] Hayes, G.R. & Abowd, G.D. (2006) Tensions in Designing Capture Technologies for an Evidence-Based Care Community. In *Proc CHI'06*, 937-946.
- [C.4] Iachello, G., Truong, K.N., Abowd, G.D., Hayes, G.R., & Stevens, M. (2006) Event-Contingent Experience Sampling to Evaluate Ubicomp Privacy in the Real World. In *Proc CHI'06*, 1009-1018. **[Best Paper, Honorable Mention]**



- [C.3] Kientz, J. A., Boring, S., Abowd, G. D., & Hayes, G. R. (2005) *Abaris: Evaluating Automated Capture Applied to Structured Autism Interventions*. In *Proc Ubicomp 2005*, 323-339.
- [C.2] Hayes, G.R., Kientz, J.A., Truong, K.N., White, D.R., Abowd, G.D., & Pering, T. (2004) Designing Capture Applications to Support the Education of Children with Autism. In *Proc Ubicomp 2004*, 161-178.
- [C.1] Hayes, G.R., Patel, S.N., Truong, K.N., Iachello, G., Kientz, J.A., Farmer, R., & Abowd, G.D. (2004) The Personal Audio Loop: Designing a Ubiquitous Audio-Based Memory Aid. In *Proc Mobile HCI 2004*, 168-179.

CONFERENCE SHORT PAPERS, POSTERS, AND PANELS (PEER-REVIEWED)

- [SP.47] Jiang, X., Boyd, L.E., Chen, Y., & Hayes, G.R. (2016) ProCom: designing a mobile and wearable system to support proximity awareness for people with autism. In Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct (UbiComp '16). 93-96.
- [SP.46] Jiang, X., Chen, Y., Liu, J., Hayes, G.R., Hu, L., & Shen, J. (2016). AIR: recognizing activity through IR-based distance sensing on feet. In Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct (UbiComp '16). 97-100.
- [SP.45] Brown, J.K., Ringland, K.E., & Hayes, G.R. (2016). DanceCraft: A Whole-Body Dance Software for Children with Autism. *ACM Richard Tapia Celebration of Diversity in Computing*. Austin, TX.
- [SP.44] Ringland, K.E., Wolf, C.T., & Hayes, G.R. (2015). The Benefits of Online Play: An Investigation of Virtual Worlds for Children with Autism Spectrum Disorder. *International Meeting for Autism Research*. Salt Lake City, Utah.
- [SP.43] Boyd, L.E., Rangel,A., Hirano,S., Escobedo, L., Tentori,M., & Hayes, G.R. (2015). Using Wearables to Augment Social Interactions for Adults with ASD: Findings from a Design Study. *International Meeting for Autism Research*. Salt Lake City, Utah.
- [SP.42] Haimson, O.L., Brubaker, J.R., Loder, C., Dombrowski, L., & Hayes, G.R. (2015) User Response to Facebook's Custom Gender Options. iConference 2015. Newport Beach, CA. March 2015.
- [SP.41] Boyd, L.E., Hayes, G.R., Fernandez, H., Bistarkey, M., & Ringland, K. (2014) Impact of Collaborative Ipad Game on Joint Engagement for Children with Social Skills Deficits. Poster Presented at *International Meeting for Autism Research (IMFAR'14)*. Atlanta, GA. May 2014.
- [SP.40] Ringland, K., Zalapa, R., Neal, M., Escobedo, L., Tentori, M., & Hayes, G.R. (2014) Sensorypaint: An Interactive Surface Supporting Sensory Integration in Children with Neurodevelopmental Disorders. Poster Presented at *International Meeting for Autism Research (IMFAR'14)*. Atlanta, GA. May 2014.
- [SP.39] Nguyen, K., Custodio, V.E., Weiner, R., Ulgado, R., Waterhouse, A., O'Neal, L. & Hayes, G.R. (2014) Evaluation of the Use of Mobile Video Modeling System for Job Interviews. Poster Presented at *International Meeting for Autism Research (IMFAR'14)*. Atlanta, GA. May 2014.
- [SP.38] Ringland, K., Zalapa, R., Neal, M., Escobedo, L., Tentori, M., & Hayes, G.R. (2014) SensoryPaint: A Natural User Interface Supporting Sensory Integration in Children with Neurodevelopmental Disorders. In *Extended Abstracts of CHI'14*.
- [SP.37] Hertz, G., Hayes, G., & Guimarin, A. (2013) Toy Hacking- Preliminary Results in Creative Electronic Workshops for Informal Science Education. *FabLearn 2013: Digital Fabrication in Education Conference*. October 27-28, 2013.
- [SP.36] Cramer, M.D & Hayes, G.R. (2013) The digital economy: a case study of designing for classrooms. In *Proceedings of the 12th International Conference on Interaction*

- [SP.35] Hayes, G.R. & Hosaflook, S.W. (2013) HygieneHelper: promoting awareness and teaching life skills to youth with autism spectrum disorder. In *Proceedings of the 12th International Conference on Interaction Design and Children (IDC '13)*. 539-542.
- [SP.34] Ulgado, R.R., Nguyen, K., Custodio, V.E., Waterhouse, A., Weiner, R. & Hayes, G.R. (2013) VidCoach: a mobile video modeling system for youth with special needs. In *Proceedings of the 12th International Conference on Interaction Design and Children (IDC '13)*. 581-584.
- [SP.33] Hirano, S., Truong, K.N., & Hayes, G.R. (2012) uSmell: A Gas Sensor System to Classify Odors in Natural, Uncontrolled Environments. In *Extended Abstracts of Ubicomp 2012*. 657-658.
- [SP.32] Hirano, S., Tang, K.P., Cheng, K., & Hayes, G.R. (2012) The Estrellita System. A Health Informatics Tool to Support Caregivers of Preterm Infants. In *Extended Abstracts of Pervasive Health 2012*.
- [SP.31] Tang, K.P., Cheng, K.G., Hirano, S., Nagel, M., Baker, D., & Hayes, G.R. (2012) Addressing the Design Challenges for a Clinically-Informed Data Capture Tool Targeted for Caregivers of Premature Infants. Poster Presented at the *Second Workshop on Interactive Systems in Healthcare (WISH) 2012*.
- [SP.30] Tentori, M., Boyd, L.E., Roxas, W., Nguyen, D.H., & Hayes, G.R. (2011) Perceived Acceptance of the Mobile Social Compass. Poster Presented at the *10th Annual International Meeting for Autism Research (IMFAR 2011)*. May 2011.
- [SP.29] Mentis, H., Thimbleby, H., Kientz, J., Hayes, G.R., & Reddy, M. (2011) Interactive Technologies for Health. In *Extended Abstracts of CHI 2011*.
- [SP.28] Yeganyan, M.T., Cramer, M., Boyd, L.A., & Hayes, G.R. (2010) vSked: an interactive visual schedule system for use in classrooms for children with autism. In *Proc. IDC'10*, 319-322.
- [SP.27] Tentori, M., L. Boyd, & Hayes, G.R. (2010) A Mobile Social Compass. Poster Presented at the *9th Annual International Meeting for Autism Research (IMFAR 2010)* May 2010.
- [SP.26] Hayes, G.R., Cheng, K., Hirano, S., Park, S., Gravem, D., Rich, J., & Cooper, D. (2010) FitBaby: Using Observations of Daily Living to Improve the Health of Preterm Infants and Their Caregivers. In *Proc Workshop on Interactive Systems in Healthcare (WISH) 2010*, 73-76.
- [SP.25] Liu, L. & Hayes, G.R. (2010) Heuristic Evaluation of Personal Health Records Systems. In *Proc Workshop on Interactive Systems in Healthcare (WISH) 2010*, 101-104.
- [SP.24] Brubaker, J., Chen, Y., Cheng, K., Combs, C., George, S., Harrison, S., Hayes, G.R., & Kaplan, S. (2010) Attitudes and Readiness for Adoption of an Electronic Medical Records System: A Preliminary Case Study. In *Proc Workshop on Interactive Systems in Healthcare (WISH) 2010*, 13-17.
- [SP.23] Marcu, G. & Hayes, G.R. (2010) Use of SenseCam in Therapeutic Interventions for Children with Autism. In *Proc Workshop on Interactive Systems Healthcare (WISH) 2010*, 113-116.
- [SP.22] Rubin, A., Routh, J. Hayes, G.R., De Vries, K., & McGraw, G. (2010) Lifestyle Hacking: Social Networks and Gen Y Meet Security and Privacy. Panel at *RSA Conference*. San Francisco, CA. March 1-5, 2010.
- [SP.21] Cramer, M., Moher, T., Pea, R., Scacchi, W., Wilson, K., & Hayes, G.R. (2010) Reaching Diverse Student Populations in Embedded Ubiquitous Educational Environments. Panel at *Digital Media and Learning Conference*. San Diego, CA. February 19-20, 2010.

- [SP.20] Marcu, G. & Hayes, G.R. (2009) Use of SenseCam in Therapeutic Interventions for Children with Autism. Presented at *SenseCam 2009: Clinical and Technical Advances and the Future of SenseCam Research*. Chicago IL USA. October 2009.
- [SP.19] Yeganyan, M., Hirano, S., Nguyen, D.H., & Hayes, G.R. (2009) Interactive and Collaborative Classroom Visual Schedules. Presented at the *8th Annual International Meeting for Autism Research (IMFAR 2009)* Chicago IL USA. May 2009.
- [SP.18] Marcu, G., Nguyen, D.H., & Hayes, G.R. (2009) *Use of a Wearable Recording Device in Therapeutic Interventions for Children with Autism*. Presented at the *8th Annual International Meeting for Autism Research (IMFAR 2009)* Chicago IL USA. May 2009.
- [SP.17] Hayes, G.R. (2008) Understanding Educational Technology through Special Education and Autism. Presented at the *Annual Meeting of the American Anthropological Association*. November 21, 2008.
- [SP.16] Marcu, G., Nguyen, D. H., & Hayes, G. R. (2008) Reactions to the Use of Wearable Recording Technology for Aiding People with Memory Impairments. Presented at *Grace Hopper Celebration for Women in Computing*. Keystone CO USA. Oct 2008.
- [SP.15] Noack, N., Lindtner, S., & Hayes, G.R. (2008) LoRy: Locative Storytelling. In *Proceedings of Interaction Design for Children (IDC'08)*. Chicago IL USA. June 2008.
- [SP.14] Hayes, G.R., Patterson, D.J., Monibi, M., & Kaufman, S.J. (2008) Interactive and Intelligent Visual Communication Systems. In *Proceedings of Interaction Design for Children (IDC'08)*. Chicago IL USA. June 2008.
- [SP.13] Monibi, M. & Hayes, G.R. (2008) *Mocotos: Mobile Communications Tools for Children with Special Needs*. In *Extended Abstracts for Interaction Design for Children (IDC'08)*. Chicago IL USA. June 2008.
- [SP.12] Kaufman, S., Patterson, D.J., & Hayes, G.R. (2008) Design of Interactive Visual Scheduling Systems. Presented at *International Meeting for Autism Research (IMFAR)*. London UK. May 2008.
- [SP.11] Dourish, P., Hayes, G. R., Irani, L., Lee, C. P., Lindtner, S., Nardi, B., Patterson, D. J., & Tomlinson, B. (2008) Informatics at UC Irvine. In *Extended Abstracts of CHI '08*, 3651-3656.
- [SP.10] Gillette, D. R., Hayes, G. R., Abowd, G. D., Cassell, J., el Kaliouby, R., Strickland, D., & Weiss, P. (2007) Interactive technologies for autism. In *Extended Abstracts of CHI '07*, 2109-2112
- [SP.9] Hayes, G.R., Heflin, J., Abowd, G.D., Gardere, L.M., DeFazio, C., Pittman, C., Pirouz, N., & Hooda, S. (2007) Evaluating a Selectively Archived Video Recording System for Functional Behavior Assessment in Schools. Poster presented at *Applied Behavior Analysis International – Autism*. February, 2007, Boston, MA.
- [SP.8] Hayes, G.R. (2006) Documenting, Understanding, and Sharing Everyday Activities through the Selective Archiving of Live Experiences. In *Extended abstracts of CSCW 2006*.
- [SP.7] Hayes, G.R., Heflin, J., Abowd, G.D., Gardere, L.M., Matthews, E., Kientz, J.A., Oberleitner, R., & Perring, T. (2006) Evaluating a Selectively Archived Video Recording System for Functional Behavior Assessment in Schools. Poster Presented at the *International Meeting for Autism Research (IMFAR 2006)*. Montreal Quebec Canada, February 2006.
- [SP.6] Hayes, G.R. (2006) Documenting and Understanding Everyday Activities through the Selective Archiving of Live Experiences. In *Extended Abstracts of CHI '06*, 1759-1762.
- [SP.5] Hayes, G.R., Truong, K.N., Abowd, G.D., & Perring, T. (2005) Experience Buffers: A Socially Appropriate, Selective Archiving Tool for Evidence-Based Care. In *Extended Abstracts of CHI'05*, 1435-1438

- [SP.4] Truong, K.N., Richter, H., Hayes, G.R., & Abowd, G.D. (2004) Devices for Sharing Thoughts and Affection at a Distance. In *Extended Abstracts of CHI'04*, 1203-1206.
- [SP.3] Hayes, G.R., Piper, A.M., Amar, B., Bevis, K.J., Newstetter, W., & Bruckman, A.S. (2004) Audience in Computer Learning: A Constructionist Interpretation. *International Conference of the Learning Sciences 2004*.
- [SP.2] Pering, T., Light, J., Sundar, M., Hayes, G., Raghunathan, V., Pattison, E., & Want, R. (2003) Personal Server: Personal Content for Situated Displays. In *Extended Abstracts of Ubicomp 2003*.
- [SP.1] Hayes, G., Pierce, J.S., & Abowd, G.D. (2003) Practices for Capturing Short Important Thoughts. In *Extended Abstracts of CHI'03*, 904-905.

CONFERENCE AND WORKSHOP PAPERS WITHOUT PROCEEDINGS  
(LIGHTLY PEER-REVIEWED)

- [W.21] Hirano, S.H. and Hayes, G.R. (2016, May) Challenges and Opportunities of Using Gas Sensors for Everyday Activities. Proceedings of the *Touch, Taste, & Smell User Interfaces: The Future of Multisensory HCI Workshop*. San Jose, California.
- [W.20] Ringland, K.E., Boyd, L.E., Brown, J.K., & Hayes, G.R. (2016, May). Children with Autism and Technologies for Play. *CHI 2016 Workshop Autism & Technology: Beyond Assistance & Interventions*. San Jose, CA. To Appear.
- [W.19] Haimson, O. L., Ringland, K. E., & Hayes, G. R. (March 2015) Marginalized Populations and Research Ethics Online. *CSCW 2015 Workshop on Ethics for Studying Sociotechnical Systems in a Big Data World*.
- [W.18] Haimson, O. L. & Hayes, G. R. (March 2015) *Toward Trans Inclusion in Feminist HCI. CSCW 2015 Workshop on Feminism and Feminist Approaches in Social Computing*.
- [W.17] Ringland, K.E. & Hayes, G.R. (2014) Virtual Worlds: An Alternative Method for Communication for Children with Autism Spectrum Disorder. *Workshop: Supporting Children with Complex Communication Needs. CHI'14*. April 2014.
- [W.16] Haimson, O. L., & Hayes, G. R. (2014) Understanding Gender Transition on Social Media to Design Technology for Changing Identities. *Workshop on Designing Technology for Major Life Events. CHI'14*. April 2014.
- [W.15] Tang, K.P., Hirano, S.H., Cheng, K.C., & Hayes, G.R. (2012) Designing a Mobile Health Tool for Preterm Infant Wellness. *Pervasive Health 2012 Workshop on Wellness Interventions and HCI*. May 2012.
- [W.14] Dombrowski, L., Volda, A., Hayes, G.R., & Mazmanian, M. (2012) Tensions in the Use and Adoption of Technologies for Outreach. *Workshop on Learning from Marginalized Users: Reciprocity in HCI4D at CSCW 2012*. February 2012.
- [W.13] Brubaker, J.R., Hirano, S.H., & Hayes, G.R. (2011) *Lost in Translation: Three challenges for the collection and use of data in personal informatics*. Personal Informatics & HCI: Design, Theory, & Social Implications. CHI 2011 Workshop. Vancouver, Canada. May 2011.
- [W.12] Liu, L.S. & Hayes, G.R. (2010) Evaluation the Usefulness and Usability of Collaborative Personal Health Record Systems. *CSCW Research in Healthcare: Past, Present, and Future. CSCW2010 Workshop*. Savannah, GA. February 2010.
- [W.11] Brubaker, J., Lustig, C., & Hayes, G.R. (2010) PatientsLikeMe: Empowerment and Representation in a Patient-Centered Social Network. *CSCW Research in Healthcare: Past, Present, and Future. CSCW2010 Workshop*. Savannah, GA. February 2010.

- [W.10] Kientz, J.A., Hayes, G.R., Arriaga, R., & Abowd, G.D. (2008) Designing and Developing Technology for Caregivers of Individuals with Autism *CHI 2008 Workshop on Technology in Mental Health*. Florence, Italy. April 2008.
- [W.9] Hayes, G.R. (2008) Reconsidering Education and Learning in HCI: A Social Cultural View of Special Education and Technology, *Human-Computer Interaction Consortium (HCIC 2008)*. Fraser, CO., February 2008.
- [W.8] Hayes, G.R. & Patterson, D.J. (2007) Supporting Individuals with Special Needs through Intelligent Visual Schedules, *Workshop on Augmented Cognition*, Rochester, NY, October 2007.
- [W.7] Hayes, G.R. (2006) Documenting and Understanding Everyday Activities through the Selective Archiving of Live Experiences. *Grace Hopper Celebration of Women in Computing*, (October 4 - 7, San Diego, California, USA), 2006
- [W.6] Hayes, G.R. (2006) Documenting and Understanding Everyday Activities through the Selective Archiving of Live Experiences. *Human Computer Interaction Consortium 2006* (February 1 – 5, Fraser, CO), 2006.
- [W.5] Abowd, G.D., Hayes, G.R., Kientz, J.A., Mamykina, L., & Mynatt, E.D. (2006) Challenges and Opportunities for Collaboration Technologies for Chronic Care Management. *Human-Computer Interaction Consortium (HCIC 2006)*. Frasier, CO., 2006.
- [W.4] Hayes, G.R. & Abowd, G.D. (2005) Assessment of Children with Autism Spectrum Disorders through Data Collection in the Natural Environment. *Workshop on Health Issues in HCI at CHI'05* (April 2-7, Portland, OR, USA), 2005.
- [W.3] Lundell, J. & Hayes, G.R. (2005) Prompting and Feedback Displays to Support the Morning Routines of Elders. *Proc HCI International 2005* (July 22-25, Las Vegas, NV, USA), 2005.
- [W.2] Hayes, G.R. (2003) Of Blogs and Journals: How We Express Our Most Intimate Thoughts. *Workshop on Intimate Computing at Ubicomp 2003* (October 12-15, Seattle, WA), 2003.
- [W.1] Hayes, G.R., Rea, A., Brunette, W., Abowd, G.D., Pierce, J.S., Truong, K.N., & Perring, T. (2003) Lightweight Note-Taking Tools Using a Confederation of Mobile Capture and Access Devices. *Workshop on Multi-Device Interfaces for Ubiquitous Peripheral Interaction at Ubicomp 2003* (October 12-15, Seattle, WA), 2003.

#### EDUCATIONAL MATERIALS

- [E.1] Hayes, G.R. & Hosaflook, S.W. (2015) Technology for Transition and Postsecondary Success: Supporting Executive Function. National Professional Resources. Port Chester, NY. USA.

#### OTHER JOURNAL AND MAGAZINE PARTICIPATION

- [OJ.6] Bietz, M.J., Hayes, G.R., Morris, M.E., Patterson, H., & Stark, L. (2016) Creating Meaning in a World of Quantified Selves. *IEEE Pervasive Computing* (April-June 2016), 82-85.
- [OJ.5] Hayes, G.R. (2013) Interactive systems for health. *interactions* 20, 3 (May 2013), 20-23.
- [OJ.4] Hayes, G.R. (2012) Taking action in your research. *interactions* 19, 4 (July 2012), 50-53.
- [OJ.3] Hayes, G.R. & Karahalios, K.G. (2011) Theme issue on autism and technology. *Personal and Ubiquitous Computing*, 16(2): 115-116.
- [OJ.2] Hayes, G.R. & Dey, A.K. (2008) The Pervasive 2007 Workshops. *IEEE Pervasive Computing*, (7)1: 85-88. Jan-Mar 2008.
- [OJ.1] Hayes, G.R. and Truong, K.N. (2005) Autism, Environmental Buffers, and Wearable Servers. *IEEE Pervasive Computing*, (4)2: 14 – 17. Jan-Mar 2005.

## TECHNICAL REPORTS

- [T.R.3] Hayes, G.R., Gardere, L.M., Abowd, G.D., DeFazio, C., Heflin, J., Truong, K.N., & Pering, T. (2006) CareLog: A Selective Archiving Tool for Behavior Management in Schools. *Georgia Institute of Technology Technical Report GIT-GVU-06-21*. November 2006.
- [TR.2] Hayes, G.R., Piper, A.M., Amar, B., Bevis, K.J., Newstetter, W., & Bruckman, A.S. (2004) Audience in Computer Learning: A Constructionist Interpretation. *Georgia Institute of Technology Technical Report GIT-GVU-04-13*. April 2004.
- [TR.1] Hayes, G. R., Pierce, J.S., & Abowd, G.D. (2003) User Trends in the Capture and Access of Short Important Thoughts. *Georgia Institute of Technology Technical Report GIT-GVU-03-09*. April 2003.

## KEYNOTES AND INVITED PRESENTATIONS

- [IP.42] *Opportunities and Challenges for Interactive Technologies in Child Development*. Max Planck Institute for Human Development. August 12, 2016.
- [IP.41] *Design Strategies*. mHealth Training Institute. UCLA/NIH. August 8, 2016.
- [IP.40] *Current and Future Directions for Technologies for Autism*. UW MSR Summer Research Institute. July 6, 2016.
- [IP.39] *(In)Visibility & (Dis)Ability*. Invited Discussant. Human Computer Interaction Consortium. July 1, 2016.
- [IP.38] *Surprisingly Social: What Vulnerable Populations Have to Teach us about Safety, Support, and the Self in Online Communities*. University of Colorado, Boulder Department of Information Science Colloquium. March 9, 2016.
- [IP.37] *Human Computer Interaction and Child Development*. Keynote for the Conference on Research Innovations in Early Intervention. February 11, 2016.
- [IP.36] *Mental Health Technologies for Research and Intervention* Guest Lecture, Oxford University Department of Psychiatry. July 1, 2015.
- [IP.35] *Technologies for Transition*. Santa Ana Unified School District Invited Lecture. April 29, 2015.
- [IP.34] *Pediatric Health Informatics: The unique challenges and opportunities for technologies to support children and their families and clinicians*. University of Wisconsin Madison Computation & Informatics in Biology & Medicine Training Program Annual Retreat. October 17, 2014.
- [IP.33] *Computing to Help Those Most in Need*. University of Wisconsin Computer Science Department Colloquium. October 16, 2014.
- [IP.32] *Starting and Growing Your Own Research Program*. Grace Hopper Celebration of Computing. October 8, 2014.
- [IP.31] *Interactive Technologies for Autism*. CalIT2, SURF-IT summer lecture series. August 12, 2014.
- [IP.30] *Estrellita: Mobile Health for Preterm Infants and Their Parents*. ONC Innovation Exchange: Patient Generated Health Data. March 11, 2014.
- [IP.29] *Partnerships in Autism and Technology*. California State Senate Hearing. November 13, 2013.
- [IP.28] *Technologies for Autism*. UCInsights: The Autism Spectrum: Help and Hope. November 4, 2013
- [IP.27] *Using Technologies in Transition*. Orange County Adult Transition Task Force. September 12, 2013.
- [IP.26] *Using Mobile Technologies To Support Students In Work Transition Programs*. .A New Day 2012: Working Toward A Positive Future (with Linda O'Neal). September 18, 2012.
- [IP.25] *Technologies to Support Individuals with Autism*. CalSTAT Regional Institute – Transition Summit. January 26, 2012.
- [IP.24] *Ubiquitous Computing and Educational Environments*. CalIT2, SURF-IT summer lecture series. June 30, 2011.

- [IP.24] *Field Deployments*. Panel at Human-Computer Interaction Consortium with M. Newman, J.Tang, and K. Siek. June 15, 2011.
- [IP.23] *Practicing Public Scholarship: Rethinking Faculty Work*. Panel at Public Scholarship Conference with M. Jafari, P. Ong, and M. Montoya, University of California, Irvine. April 25, 2011
- [IP.22] *Using Ubiquitous & Collaborative Computing to Meet the Needs of Children and Families Experiencing Chronic Conditions*. dub seminar, University of Washington. February 9, 2011.
- [IP.21] *Using Ubiquitous & Collaborative Computing to Meet the Needs of Children and Families Experiencing Chronic Conditions*. IST seminar, Pennsylvania State University. February 7, 2011.
- [IP.20] *Computing to Support Chronic Health Conditions in Childhood*. University of Toronto, Department of Computer Science. September 17, 2010.
- [IP.19] *Documenting Observations of Daily Living for Children With or At Risk for Chronic Health Conditions*, ForOCKids Neurodevelopmental Seminar Series. June 3, 2010.
- [IP.18] *Embedded, Ubiquitous, and Mobile Computing in Educational Environments*, College of Education, University of South Alabama. May 7, 2010.
- [IP.17] *Embedded, Ubiquitous, and Mobile Computing in Educational Environments*. University of California, Irvine Department of Education Brownbag. April 5, 2010.
- [IP.16] *Documenting Observations of Daily Living for Chronic Health Condition*. Microsoft Research. March 25, 2010.
- [IP.14] *Discovery and Innovation in Health IT*. Sponsored by Office of the National Coordinator for Health Information Technology, the National Institute of Standards and Technology, the National Library of Medicine, the Agency for Healthcare Research and Quality, the National Science Foundation, the Computing Community Consortium, and American Medical Informatics Association. October 29-30, 2009.
- [IP.13] *Encountering SenseCam: implications for personal recording technologies in everyday life*. Presented at SenseCam 2009: Clinical and Technical Advances and the Future of SenseCam Research. Chicago, IL. October 2009.
- [IP.12] *Attracting and Retaining Women in Computing: Real Programs for Real Progress*. Presented at Microsoft Faculty Summit. July 12, 2010.
- [IP.11] Usability, Security, and Privacy of Information Systems. Sponsored by the National Academies Computer Science and Telecommunications Board. July 21-22, 2009.
- [IP.10] *Technologies for Chronic Care Management* Center for Embedded Networking, UCLA. April 24, 2009.
- [IP.9] *Information technologies to support the challenges of autism and related developmental disorders*. In Computing Research that Changed the World: Reflections and Perspectives (March 25 - 25, 2009). Computing Research Association, Washington, D.C., 1-1.
- [IP.8] *Challenges and Opportunities for Technologies for Chronic Care Management* GVU Brownbag, Georgia Institute of Technology. January 15, 2009.
- [IP.7] *Challenges and Opportunities for Technologies for Chronic Care Management* CMU HCI Institute. November 19, 2008.
- [IP.6] *Privacy Considerations of UbiComp Memory Aids* Microsoft Research Cambridge. July 10, 2008.
- [IP.5] *Challenges and Opportunities for Technologies for Chronic Care Management* Center for Research on Information Technology and Organizations (CRITO), UCI. April 30, 2008.
- [IP.4] *Support, Security, and Surveillance: Life in the Recording Age*. Nokia Research Forum. Palo Alto, CA. November 1, 2007.
- [IP.3] *Lessons Learned from the Intel Opportunity Scholars Program*. National Center for Women in Technology (NCWIT) Annual Practices Workshop. Atlanta, GA. November 15, 2006.

- [IP.2] *Designing Capture Applications for the Education of Children with Autism*. Intel Research Seattle Seminar Series. Seattle, WA. May 26, 2004.
- [IP.1] *Capture & Access Infrastructure, Virtual Artifacts, and the Physical World*. Invited talk to the Ball State University's Computer Science Department Colloquium Series. Muncie, IN. April 4, 2003.

#### MEDIA COVERAGE AND INTERVIEWS

- [MC.23] "From autism to Chinese, a headset to help you with your language". May 4, 2016. Reported by Anna Nowogrodzki. *New Scientist*.
- [MC.22] "Minecraft Server for Autistic Gamers." *Don't Hate The Geek*. Reported by Ali L. May 2, 2016.
- [MC.21] "Minecraft Helping Kids - Feel Good Fridays!." *Inside Gaming, YouTube Show*. April 29, 2016.
- [MC.20] "How Minecraft is Helping Children with Autism Make New Friends. April 27, 2016. Reported by Aviva Rutkin. *New Scientist*.
- [MC.19] "App Paired with Sensor Measures Stress and Delivers Advice to Cope in Real Time". *HealthCanal*. Reported by Ioana Patrigenaru. June 12, 2014.
- [MC.18] "Stress measured and advice delivered by app to help parents cope in real time". *Medical News Today*. June 6, 2014.
- [MC.17] "Autism apps: UCI contest put tech on task". *The Orange County Register*. Reported by Lauren Steussy. April 27, 2014
- [MC.16] "UCI, Chapman students craft apps to aid people with autism". *The Orange County Register*. Reported by Annie Z. Yu. April 16, 2014
- [MC.15] "Autism Technology Showcase coming to Irvine". *The Orange County Register*. Reported by Lauren Jow. December 6, 2012.
- [MC.14] "Study identifies patients most willing to use personal health records" Reported by Panela Lewis Dolan. November 12, 2012.
- [MC.13] "Tracking 'Observations of Daily Living' in Infants and the Elderly" *Wall Street Journal*. Reported by Laura Landro. August 17, 2010. (<http://blogs.wsj.com/health/2010/08/17/tracking-observations-of-daily-living-in-infants-and-the-elderly/>)
- [MC.12] "Improving Care For Low-Birth-Weight Infants" *Medical News Today*. March 8, 2010. (<http://www.medicalnewstoday.com/articles/181506.php>)
- [MC.11] "Southland researchers poised to monitor infants' health by smart phone" *KPCC Southern California Public Radio*. March 8, 2010. (<http://www.scpr.org/news/2010/03/06/researchers-poised-monitor-infants-health-cell-pho/>)
- [MC.10] "Improving Care For Low-Birth-Weight Infants" *SperoNews*. March 5, 2010. (<http://www.speroforum.com/site/article.asp?idCategory=32&idsub=120&id=28491&t=Improving+care+for+low-birth-weight+infants>)
- [MC.9] "Tweet this: Social network security is risky business" Reported by Neil Roiter. *ComputerWorld*. March 4, 210. ([http://www.computerworld.com/s/article/9165778/Tweet\\_this\\_Social\\_network\\_security\\_is\\_risky\\_business?taxonomyId=82](http://www.computerworld.com/s/article/9165778/Tweet_this_Social_network_security_is_risky_business?taxonomyId=82))
- [MC.8] "Hot topic at RSA: The pitfalls and promise of social networking" *InfoSecurity Magazine*. March 2, 2010. (<http://www.infosecurity-us.com/view/7761/hot-topic-at-rsa-the-pitfalls-and-promise-of-social-networking/>)
- [MC.7] "Silver Bullet Talks with Gillian Hayes" *IEEE Security and Privacy*. March-April 2010; 8(2):5-7.



- [MC.6] "An Interview with Gillian Hayes" The Silver Bullet Podcast. Interview by Gary McGraw. September 25, 2009. (<http://www.cigital.com/silverbullet/show-042/>)
- [MC.5] Privacy Piracy. Interview by Mari Frank. September 16, 2009. ([http://www.kuci.org/privacypiracy/#09\\_16\\_09](http://www.kuci.org/privacypiracy/#09_16_09))
- [MC.4] "Technology Helps Autistic Children" 11Alive, NBC News. Reported by Donna Lowry. May 17, 2007 ([http://www.11alive.com/news/news\\_article.aspx?storyid=97198](http://www.11alive.com/news/news_article.aspx?storyid=97198))
- [MC.3] "Ga. Tech tests Aware Home" 11Alive, NBC News. Reported on air by Donna Lowery and on-line by Tracey Christensen. April 26, 2006. ([http://11alive.com/news/news\\_article.aspx?storyid=79099](http://11alive.com/news/news_article.aspx?storyid=79099))
- [MC.2] "Autism Teachers Get High-Tech Help" 11Alive, NBC News. Reported on air by Donna Lowery and on-line by Tracey Christensen. April 25, 2006. ([http://11alive.com/news/news\\_article.aspx?storyid=79041](http://11alive.com/news/news_article.aspx?storyid=79041))
- [MC.1] "OAR announces winners of the 2004 Graduate Grants Program" Press Release from the Organization for Autism Research. September 9, 2004. (<http://www.researchautism.org/news/pressreleases/PR090904.asp>)

## RESEARCH SUPERVISION

- Post-Doctoral Scholars
  - Monica Tentori
  - Karen Tang
  - Aleksander Matic
- PhD Student Primary Advisor [graduation date] (notes)
  - David Nguyen [Spring 2011]
  - Jed Brubaker [Spring 2015]
  - Lynn Dombrowski [Spring 2015] (co with Melissa Mazmanian)
  - Laura Pina [Summer 2015] (UCSD, co with Bill Griswold)
  - Sen Hirano [Fall 2016]
  - Oliver Haimson (expected Spring 2018)
  - Kathryn Ringland (expected Spring 2018)
  - LouAnne Boyd (expected Spring 2018)
  - Mark Baldwin (co with Jennifer Mankoff)
  - Heather Faucett
- PhD Student Committees
  - Sara Javanmardi (Advancement)
  - Judy Chen (Advancement, PhD Thesis)
  - Silvia Lindtner (Advancement)
  - Lilly Irani (Advancement)
  - Patrick Shih (Advancement)
  - Kim Sullivan (Anthropology, Advancement)
  - Heeyoung Jeong (Georgia Tech, PhD Thesis)
  - Leslie Liu (University of Washington, PhD Thesis)
  - Hwajung Hong (Georgia Tech, PhD Thesis)
  - Heather Thomas (Anthropology, Advancement)
  - Jennifer Sun (Education, PhD Thesis)

Chris Wolf (Advancement, PhD Thesis)  
Megan Neal (Anthropology, Advancement)  
Clara Cardera (Advancement)  
Simone Lanette (Advancement, PhD Thesis)  
Melissa Callaghan (Education, PhD Thesis)

- Master's Student Primary Advisor
  - Sen Hirano [Spring 2011]
  - Leslie Liu [Spring 2011]
  - Michael Yeganyan [Spring 2011]
  - Meg Cramer [Spring 2012]
  - Boaz Gurdin [Summer 2012]
  - Erick Custodio [Summer 2016]
  - Sagar Vikmani
  - Saumya
- Master's Student Committees
  - Kah Liu [Spring 2010]
  - Jeff Lee [Summer 2014]
  - John Schomberg [Spring 2015, Epidemiology]
- Undergraduate Student Supervision
  - UCI*
  - Paolo Arrastia (Honors)
  - Osama Ahmad
  - Alendra Beall
  - Aurora Bedford (Honors, UROP)
  - Alex Bretana (UROP, SURP)
  - Baldwin Chang
  - Yuja Chang (Mt. SAC Community College Program)
  - Chris Combs (SURP)
  - Erick Custodio (SURP, Honors)
  - Niraj Desai
  - David Dinh
  - Marie Gilbert (SURF-IT)
  - Jared Haren
  - Noelia Hernandez (MDP)
  - Sen Hirano (UROP)
  - Jeffrey Hong
  - Nithin Jilla
  - Yann Jouitteau
  - Lucas Kam
  - Sam Kaufman (UROP, SURP)
  - Justin Krakes

Nafiri Kusumakaulika  
Andrea Lau  
Chen-Yu Lee  
Victor Lelas  
Tom Lillehoff (SURP)  
Christina Liang  
Leslie Liu (SURP, UROP)  
Albert Luk  
Alan Ly (Mt. SAC Community College Program)  
Gabriela Marcu (Honors, SURP, UROP)  
Patrice Mardo  
Ian Marrion  
Kevin Mori (Honors)  
Anthony Nguyen  
Katherine Nguyen (UROP)  
Van Nguyen  
Grace Pai  
Nehal Patel  
Aaron Pecson  
Kathy Pham  
Sandy Pham (SURF-IT)  
Hugo Polanco (UROP)  
Sohrob Raja  
Luke Raus  
Robert Rodriguez (UROP)  
David Schramm  
Zubin Singh  
Brian Sone  
Lee Taber  
Katherine Tran  
Joseph Trevino (Mt. SAC Community College Program)  
Melody Truong  
Rachel Rose Ulgado (SURF-IT, UROP)  
Minhut Vo (UROP)  
Ryan Wallace (SURP)  
Aaron Waterhouse (UROP)  
Rachel Weiner (UROP)  
Mathew Wong  
Tiffany Wong  
Wendy Yang (SURP, UROP)  
Michael Yeganyan (UROP)

*Georgia Tech*  
Ellen Matthews  
Jesslyn Beattie

Veronica Peshterianu  
 Laura Rouse  
 Priyanka Mihalabis  
 Uzo Okafor  
 Anne Marie Piper

## FUNDING

[F.34]	Jacobs Foundation: Kids and Tech Idea Awards Competition	\$10,000 1/2017
[F.33]	Society for Research in Childhood Development support for pre-meeting on interdisciplinarity (donor gift)	\$10,000 10/2016
[F.32]	Once Upon a Time Foundation: Philanthropy Lab (donor gift)	\$270,000-\$500,000 (depending on completion of milestones) 3/2016-3/2021
[F.31]	Robert Wood Johnson Foundation: Impact of Mobile Phones on Perceived Closeness and Quality of Social Interactions Among Parents and Teens (PI: Hayes, Co-PI: Mazmanian)	\$188,438 1/2016-4/2017
[F.30]	Jacobs Foundation: Jacobs Advanced Research Fellowship	\$428,228 1/2016-12/2018
[F.29]	UCMexus: Augmenting music therapy with interactive surfaces to support sensorimotor regulation in children with autism (Co-PIs Hayes and Tentori)	\$25,000 6/2015-6/2016
[F.28]	Facebook Academic Program Award	\$25,000 6/2015
[F.27]	Google Faculty Research Award: Using Wearables to Augment Social Interactions and Teach Social Skills for Adults with Autism	\$42,682 2/2015
[F.26]	Empirical evaluation of Zody, a social skills game for the iPad; donor gift	\$15,000 5/2014
[F.25]	Google Glass Accessibility Awards: Wearable Visual Supports for People with Autism Spectrum and other Neurodevelopmental Disorders (PI Hayes, Co-PIs Patterson and Tentori)	\$27,485 2/2014
[F.24]	NSF Early Career Award Career Life Balance: Mobile and Ubiquitous Computing Technologies for Young Children with Chronic Health Conditions (PI Hayes)	\$25,872 11/2013-2/2014
[F.23]	NSF Early Career Award Research Experience for Undergraduates: Mobile and Ubiquitous Computing Technologies for Young Children with Chronic Health Conditions (PI Hayes)	\$16,300 5/2013-2/2014
[F.22]	Microsoft SEIF: Empowering Interactive Surfaces with Body-Based Interactions to Provide Step-by-Step Guidance to Children with ASD (PI Hayes)	\$25,000 5/2013
[F.21]	Nokia University Cooperation Funding: Parent Coach: Context-Aware Applications for Neurodevelopmental Disorders (PI Hayes)	\$15,000 1/2013
[F.20]	Intel Science and Technology Center for Social	\$6,000,000

	Computing (PIs Dourish & Maurer, Co-PIs Boelstorf, Bowker, Hayes, Mazmanian, Patterson, Philip)	(\$2,745,000 UCI) 6/2012-5/2015
[F.19]	NSF ISE Pathways: Repurposing Obsolescence: Teaching DIY Science, Technology and Engineering Practices to Adolescents in Underserved Communities (PI Hertz, Co-PIs Hayes and Black)	\$250,000 8/2012-8/2014
[F.18]	UC Mexus: Enriching interactive visual supports with video modeling for children with autism (Co-PIs, Hayes and Tentori)	\$25,000 6/2012 – 6/2013
[F.17]	Google Research Award: Providing Privacy-Sensitive Social Support for Families of High-Risk Infants Using Mobile Computing (PI Hayes)	\$60,000 2012
[F.16]	ICS CORCL Ubicomp Systems for Supporting Reflection on Learning in Schools (PI Hayes)	\$5,000 2/2012 – 6/2012
[F.15]	Google Research Award: Supporting Healthy Outcomes for High-Risk Infants Using Mobile Computing and Personal Health Records (PI Hayes)	\$64,000 + \$10,000 in kind (phones) 2011
[F.14]	NSF US-Mexico Workshop on Interactive and Ubiquitous Computing uniting the Californias; Ensenada, Mexico, March 2011 (PI Hayes)	\$16,883 9/2010-9/2011
[F.13]	Donor Gift for Ubicomp Autism Research	\$20,000 2010
[F.12]	NSF HCC Eager: EAGER HCC: The Persistence of Digital Identity (PI Dourish, Co-PI Hayes)	\$274,089 8/2010-7/2012
[F.11]	Robert Wood Johnson Project HealthDesign: Use of Observations of Daily Living among Low Birth Weight Infants and their Caregivers to Improve Care and Reduce Incidence of Chronic Conditions over the Lifespan (PI Hayes)	\$479,533 12/2009–12/2011
[F.10]	NSF Early Career Award Research Experience for Teachers: Mobile and Ubiquitous Computing Technologies for Young Children with Chronic Health Conditions (PI Hayes)	\$25,688 2/2009–2/2014
[F.9]	NSF Early Career Award: Mobile and Ubiquitous Computing Technologies for Young Children with Chronic Health Conditions (PI Hayes)	\$499,038 2/2009–2/2014
[F.8]	NSF WORKSHOP: Computer Supported Cooperative Work Doctoral Research Colloquium 2010 (PI Hayes)	\$25,018 7/2009–7/2010
[F.7]	Nokia Research Council: Mobile Phones to Encourage Sustainable Transportation Choices (PI Hayes)	\$9,860 + \$15,725 in kind (phones) 2009
[F.6]	Smith Family Seed Fund: Using SenseCam for Children with Autism (PI Hayes)	\$3,300 2009
[F.5]	NCWIT Seed Fund Award: Harnessing Hacking: Encouraging Inclusion through Creativity in IT Education for Latina Youth (Co-PIs, Hayes, Dourish, Richardson)	\$15,000 2009
[F.4]	AutismSpeaks Innovative Technology Award: Technology Support for Interactive and Collaborative Visual Schedules (PI Hayes)	\$83,563 3/2008-3/2010

[F.3]	Nokia Research Equipment Grant, in kind donation of mobile phones and internet tablets (PI Hayes)	\$30,000 2008
[F.2]	Collaborative Research Initiation Award in Support of Gaming for Healthy Kids (PI Hayes)	\$11,000 12/2007–6/2008
[F.1]	Council on Research, Computing and Library Resources (CORCLR) grant for project on Tools for Collaborative Brainstorming (PI Hayes)	\$4,500 11/2007-6/2008

TEACHING		# Students
Winter 2017	Informatics 232: Research in Human Centered Computing	14
	US10: Introduction to Civic and Community Engagement	29
Fall 2016	Informatics 280: Introduction to Human Computer Interaction and Design	22
Spring 2016	University Studies 100: Community Based Participatory Research	11
Winter 2016	Informatics 232: Research in Human Centered Computing	10
Fall 2014	Informatics 201: Research in Informatics	11
Fall 2013	Informatics 201: Research in Informatics	10
	US10: Introduction to Civic and Community Engagement	30
Winter 2013	Informatics 242/Computer Science 248B: Ubiquitous Computing and Interaction	7
Winter 2013	Informatics 162W: Organizational Analysis of Information Systems	34
Spring 2012	Informatics 295/Computer Science 295: Biomedical Informatics	5
Spring 2011	Informatics 209s & 208s: Seminar in Informatics	21
Winter 2011	Informatics 209s & 208s: Seminar in Informatics	27
Fall 2010	University Studies 10: Introduction to Civic and Community Engagement	44
	Informatics 209s & 208s: Seminar in Informatics	28
Winter 2010	Informatics 231b: Research in Human Computer Interaction	9
Fall 2009	Informatics 148: Projects in Ubiquitous Computing	20
	Informatics 201: Research Methods in Informatics	13
Spring 2009	Informatics 44: Research Topics in Informatics	43
Fall 2008	Informatics 201: Research Methods in Informatics	13
	Informatics 153: Computer Supported Cooperative Work	44
Spring 2008	Informatics 163: Projects in Social Impacts of Computing	35
Winter 2008	Informatics 295: Surveillance and Recording Technologies	14
	Informatics 190: Research Projects in Ubiquitous	13

SERVICE

*Professional*

Program Committees and Journal Editing:

- Editorial Board, ACM Transactions on Accessible Computing, 2014-present
- Editor, Personal and Ubiquitous Computing, 2016-present
- Health Forum Editor, interactions, 2012-2016
- Associate Editor, Personal and Ubiquitous Computing, 2011-2015
- Editorial Board, Autism News, 2010-2015
- iConference, 2015
- AMIA 2011
- CHI 2010, 2011
- Guest Editor, Theme Issue of Personal and Ubiquitous Computing on Technology and Autism, 2011
- CSCW 2008
- Ubicomp 2008
- Pervasive 2008, 2009, 2010
- Ubicomp 2007, Late Breaking Results
- ACM GROUP 2007, 2016
- Interact 2007
- Mobiquitous 2007

Conference Committees:

- Program Chair, Pervasive Health, 2017
- Sub-Committee Co-Chair, CHI 2017, Aging, Accessibility, and Health Subcommittee
- Steering Committee Member, Ubicomp, 2012-2017
- Panels Co-Chair, CHI 2013, CHI 2014
- Co-Chair, Broadening Participation in Ubiquitous and Wearable Computing, Ubicomp 2014
- Planning and Program Committee, Israeli-American Kavli Frontiers of Science, National Academies of Science, 2013
- Steering Committee Member, WISH 2012
- Program Co-Chair, Ubicomp 2012
- Health Community Co-Chair, CHI 2011
- Notes Co-Chair, GROUP 2010
- Academic Advisory Committee, Grace Hopper Celebration of Women in Computing, 2010
- Doctoral Colloquium Co-Chair, CSCW 2010
- Planning and Program Committee, Chinese-American Kavli Frontiers of Science, National Academies of Science, 2008, 2009
- Publications Chair, CSCW 2008
- Workshops Co-Chair, Pervasive 2007
- Student Volunteer Co-Chair, Ubicomp 2006

#### Ad Hoc Reviewing:

- ACM Richard Tapia Celebration of Diversity in Computing, Doctoral Consortium (2016)
- Journal of Medical Internet Research (JMIR) Research Protocols (2016)
- Interaction with Computers (2015)
- Communication Theory (2015)
- International Journal of Human-Computer Studies (2015)
- Human-Computer Interaction Journal (2015)
- International Meeting for Autism Research (2014)
- ACM Transactions on Human-Computer Interaction (2012-2016)
- Action Research (2012)
- BMC Medical Informatics and Decision Making (2012, 2013)
- Autism (2009, 2010, 2012, 2013)
- Journal of Biomedical Informatics (2011)
- Pervasive and Mobile Computing (2010, 2011)
- Portuguese Foundation for Science and Technology (Fundação para a Ciência e a Tecnologia, 2010, 2012)
- National Institutes of Health (2010)
- International Journal of Medical Informatics (2010)
- National Science Foundation (2009)
- CHI: ACM Conference on Human Factors in Computing Systems: full papers, works in progress, and experience reports (2003-2010, 2012, 2014, 2015)
- CSCW: Computer Supported Cooperative Work (2010, 2014, 2015)
- ACM Transactions on Accessible Computing (2008)
- DSS: Journal of Decision Support Systems (2007)
- IEEE Pervasive Computing Magazine (2004, 2005, 2007, 2008)
- Interacting with Computers (2005)
- Pervasive (2007)
- UIST: The Symposium on User Interface Software & Technology (2005, 2008, 2010)
- Ubicomp: The International Conference on Ubiquitous Computing (2004, 2006, 2007, 2014, 2015)
- WMCSA: IEEE Workshop on Mobile Computing Systems & Applications (2003, 2004)

#### Other Organization and Volunteering:

- Advisory Group Member: Consortium for the Science of Sociotechnical Systems (CSST) Summer Institute, 2015, 2016
- Doctoral Colloquium Faculty Panelist: Pervasive 2009, AMIA 2010, iConference 2015
- Co-Chair: Workshop on Interactive Systems and Healthcare (WISH) 2010
- Autism and Technology Online Community Manager (2007-2013)
- Co-Chair: Designing for Children with Special Needs Workshop at IDC 2008
- Co-Chair: Ubicomp in the Office Workshop at Ubicomp 2007
- Session Chair: CHI 2008, CSCW 2008, Pervasive 2009, CHI 2010, CHI 2011, Ubicomp 2012, Pervasive Health 2012, iConference 2015



- Student Volunteer: UIST 2003, Ubicomp 2003, CHI 2006

### *University*

#### UC Irvine

- Vice-Chair, Graduate Affairs, Department of Informatics (2014-2017)
- Faculty Director for Civic and Community Engagement (2014-2017)
- Faculty Director, Master's of Human Computer Interaction and Design Program (2015-2017)
- Graduate Council (2016-current)
- Academic Planning Group Task Force on Engagement (2016-2017)
- Dean of Donald Bren School of Information and Computer Sciences Search Committee (2015-2016)
- Dean of School of Education Search Committee (2015)
- Vice-Chancellor for Health Affairs Search Committee (2014-2015)
- Chair, Graduate Policy Committee, School of ICS (2014-2015)
- Co-Director, Intel Science and Technology Center for Social Computing, UCI (2014-2015)
- Chair, School of ICS Graduate Policy Committee (2014-2015)
- Minor in Civic and Community Engagement, core program faculty (2009-present)
- University of California Center for Collaborative Research for an Equitable California Governance Council (2012-2013)
- Informatics Business Information Management Major Steering Committee (2012-2015)
- Informatics Computer Games Science Major Steering Committee (2012-2013)
- ICS Representative to the Division Assembly of the Academic Senate (2011-2013)
- ICS Undergraduate Policy Committee (2010-2011)
- Informatics Undergraduate Policy Committee (2010-2011)
- Committee for Civic Engagement (2007-2013)
- Informatics Graduate Student Association Faculty Advisor (2007-2012; 2014-Present)
- Graduate Student Recruitment and Retention Committee, Chair (2008-2009)
- Women in Information and Computer Sciences, Faculty Co-Advisor (2008-2009)
- Graduate Student Admissions and Recruitment Committee (2007-2008)
- Arts, Computation, and Engineering, program faculty (2007–2011)
- Center for Biomedical Informatics Advisory Board (2007–2010)

#### Georgia Tech

- Women@CC (College of Computing Women's Group) Advisory Board Co-Chair (2003-2004)
- Graduate Student Committee (2002-2004, 2005-2006)
- PhD Student Recruiting Committee (2002-2003)
- College of Computing Ergonomics Chair (2003-2004)
- College of Computing Faculty Recruiting Committee (2005-2006)
- Intel Opportunity Scholars Mentor (2003-2006)
- Georgia Tech Institutional Review Board, student member (2005-2007)

## MEMBERSHIPS

### External

- Association for Computing Machinery (ACM)
- ACM Special Interest Group for Human Computer Interaction (SIGCHI)
- California Center for Collaborative Research for an Equitable California (CCREC)

### UCI

- Intel Science and Technology Center for Social Computing (ISTC)
- Institute for Virtual Environments and Computer Games
- Center for Autism Research and Treatment (CART)
- Institute for Clinical and Translational Science (ICTS)
- Center for Biomedical Informatics (CBMI)
- Center for Research in Information Technology and Organizations (CRITO)
- Center for Ethnography
- California Institute for Telecommunications and Information Technology (Calit2)
- Center for Organizational Research (COR)