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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
2007

Vanderbilt University, Nashville, TN
B.S. in Computer Science and Mathematics, Cum Laude
1999

PROFESSIONAL EXPERIENCE

University of California, Irvine
Assistant Professor, Department of Informatics, School of ICS — **7/2007-Present**
Assistant Professor, Department of Education — **6/2010-Present**

Georgia Institute of Technology — **8/2002-5/2007**
Graduate Research Assistant, College of Computing

Georgia Institute of Technology — **5/2005-8/2005**
Instructor, College of Computing

Avanade, Inc. — **2/2001-4/2002**
Solutions Development Consultant

Deloitte Consulting — **6/1999-2/2001**
Systems Analyst

HONORS AND AWARDS

- UCI Celebration of Teaching Award for Pedagogical Innovation — 2009
- UCI Undergraduate Research Opportunities Program Mentor of the Month — June 2009
- UCI Chancellor's Award for Excellence in Undergraduate Research — 2008
- Kavli Fellow, National Academy of Sciences — 2007-2009
- 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 AND SCIENTIFIC MAGAZINE PUBLICATIONS (PEER-REVIEWED)

[J.18] Tentori, M., Hayes, G.R., and Reddy, M. *The Patient and Clinician Experience in Pervasive Healthcare.* Foundations and Trends® in Human–Computer Interaction. In Press.

[J.17] Hayes, G.R., and Truong, K.N. *Paratyping: A Contextualized Method of Inquiry for Understanding Perceptions of Mobile and Ubiquitous Computing Technologies.* Human-Computer Interaction. In Press.

[J.16] Brubaker, J. R., Hayes, G.R., and Dourish, J.P. *Beyond the Grave: Interpretation and participation in peri-mortem behavior on Facebook.* The Information Society. In Press.

[J.15] Hayes, G.R., Patterson, D.J., Singh, M., Gravem, D., Rich, J., and Cooper, D. *Supporting the Transition from Hospital to Home for Premature Infants Using Integrated Mobile Computing and Sensor Support.* Personal and Ubiquitous Computing. 2011. (15)8: 871-885.

[J.14] Grinter, R.E., Wyche, S.P., Hayes, G.R., and Harvel, L.D. *Technology in Protestant Ministry.* Journal of Computer Supported Cooperative Work. 2011. 20(6): 449-472.

[J.13] Hayes, G.R. *The Relationship of Action Research to Human-Computer Interaction.* ACM Transactions on Computer-Human Interaction. 2011. 18(3): 15.

[J.12] Lindtner, S., Chen, J., Hayes, G.R., and Dourish, P. *Towards a Framework of Publics: Re-encountering Media Sharing and its Use.* ACM Transactions on Computer-Human Interaction. 2011. 18(2): 5.

[J.11] Hayes, G.R., Lee, C.P., and Dourish, P. *Organizational routines, innovation, and flexibility: the application of narrative networks to dynamic workflow.* International Journal of Medical Informatics. August 2011. 80(8): 161-177.

[J.10] Ngo-Metzger, Q., Hayes, G.R., Chen, Y., Cygan, R., and Garfield, C.E. *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., and Garfield, C.E. *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. and Hayes, G.R. *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., and Hayes, G.R. *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., and Yeganyan, M. *Interactive Visual Supports for Children with Autism.* Personal and Ubiquitous Computing. 14(7): 663-680. 2010.

[J.5] Nguyen, D.H. and Hayes, G.R. *Information Privacy in Institutional and End-User Tracking and Recording Technologies.* Personal and Ubiquitous Computing. 14(1): 53-72. January 2010.

[J.4] Truong, K.N. and Hayes, G.R. *Ubiquitous Computing for Capture and Access,* Foundations and Trends® in Human–Computer Interaction: (2):2, 95-171. 2009.

[J.3] Hayes, G.R., Poole, E.S., Iachello, G., Patel, S.N., Grimes, A., Abowd, G.D, Truong, K.N., *Physical, Social, and Experiential Knowledge in Pervasive Computing Environments,* IEEE Pervasive Computing. (6)4: 56-63, Oct-Dec, 2007.

[J.2]   Kientz, J.A., Hayes, G.R., Westeyn, T., and Abowd, G.D. *Pervasive Computing and Autism: Assisting Caregivers of Children with Special Needs.* IEEE Pervasive Computing, (6)1: 28-35. Jan-Mar 2007.

[J.1]   Abowd, G.D., Hayes, G.R., Iachello, G., Kientz, J.A., Patel, S.N., Stevens, M., Truong, K.N. *Prototypes and Paratypes: Designing Mobile and Ubiquitous Computing Applications.* IEEE Pervasive Computing, (4)4: 67-73. Oct-Dec 2005.

BOOK CHAPTERS

[B.2]   Hayes, G.R. and Truong, K.N. (2009) *Selective Archiving: A Model for Privacy Sensitive Capture and Access Technologies.* In Protecting Privacy in Video Surveillance, Andrew Senior, Editor, 165-184.

[B.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* Handbook of Research on User Interface Design and Evaluation for Mobile Technology, Joanna Lumsden, Editor, 1031 – 1048.

PATENTS

[P.1]   Hayes, G.R., Truong, K.N., Gardere, L., and Abowd, G.D. *System and Method for Archiving of Continuous Capture Buffers.* US Patent applied for (820701-1265/3235PR). 2005.

CONFERENCE FULL PUBLICATIONS (PEER-REVIEWED)

[C.30] Brubaker, J., Kivran-Swaine, F., Taber, L. and Hayes, G.R. *Grief-Stricken in a Crowd: The language of bereavement and distress in social media.* To Appear in Proc ICWSM '12.

[C.29] Escobedo, L., Nguyen, D.H., Boyd, L.A., Hirano, S.H., Rangel, A., Garcia, D., Tentori, M., and Hayes, G.R. *MOSOCO: A Mobile Assistive Tool to Support Children with Autism Practicing Social Skills in Real-Life Situations.* To Appear in Proc CHI '12.

[C.28] Dombrowski, L., Voida, A. Hayes, G.R., Mazmanian, M. *The Labor Practices of Service Mediation: A Study of the Work Practices of Food Assistance Outreach.* To Appear in Proc CHI '12.

[C.27] Jeong, H.Y., Hayes, G.R., Yun, T., Sung, J., Abowd, G.D., and Arriaga, R.I. *Act Collectively: Opportunities for Technologies to Support Low-Income Children with Asthma.* In Proc BCS HCI '11.

[C.26] Nguyen, D.H. and Hayes, G.R. *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., and Hayes, G.R. *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. and Hayes, G.R. *"We will never forget you [online]": An empirical investigation of post-mortem MySpace comments.* In Proc CSCW'11. 123-132. **[Best Paper Nomination]**

[C.23] Brubaker, J.R. and Hayes, G.R. *SELECT * FROM USER: Infrastructure and Socio-technical Representation.* In Proc CSCW'11. 369-378 **[Best Paper Nomination]**

[C.22] Liu, L.S., Hirano, S.H., Tentori, M., Cheng, K.G., George, S., Park, S., and Hayes, G.R. *Improving Communication and Social Support for Caregivers of High-Risk Infants through Mobile Technologies.* CSCW'11. 475-484.

[C.21] Liu, L.S., Shih, P.C., Hayes, G.R. *Barriers to the Adoption and Use of Personal Health Record Systems.* In Proc iConference 2011. 363-370.

[C.20] Mankoff, J., Hayes, G.R., and Kasnitz, D. *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. and <u>Hayes, G.R.</u> *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., <u>Hayes, G.R.</u> *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., <u>Hayes, G.R.</u>, Richardson, D.J. *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., <u>Hayes, G. R.</u>, Truong, K. N., Scott, J., Langheinrich, M. and Roduner, C. *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., <u>Hayes, G.R.</u> *GroupMind: Supporting Brainstorming through a Collaborative Mind-mapping Tool* In Proc ACM GROUP'09, 139-148.

[C.14] Irani, L., <u>Hayes, G.R.,</u> Dourish, P. *Situated Practices of Looking: Visual Practice in an Online World.* In Proc CSCW 2008, 187-196.

[C.13] Nguyen, D.H., <u>Hayes, G.R.,</u> Kobsa, A. *An Empirical Investigation of Concerns of Everyday Tracking and Recording Technologies* In Proc Ubicomp 2008, 182-191.

[C.12] <u>Hayes, G.R.,</u> Abowd, G.D., Davis, J., Blount, M., Ebling, M., and Mynatt, E.D. *Opportunities for Pervasive Computing in Chronic Cancer Care*. In Proc Pervasive 2008, 262-269.

[C.11] <u>Hayes, G.R.</u>, Gardere, L., Abowd, G.D, and Truong, K.N. *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. <u>Hayes, G.R.</u>, Richardson, J., Patel, S.N., Abowd, G.D. *Understanding Record-Keeping Needs for the Development of Young Children*. In Proc CHI 2007, 1351-1360.

[C.9] Wyche, S.P., <u>Hayes, G.R.,</u> Harvel, L.D., Grinter, R.E. *Technology in Spiritual Formation: An Exploratory Study of Computer Mediated Religious Communications*. In Proc CSCW 2006, 199-208. **[Best Paper Nomination]**

[C.8] Kientz, J.A., <u>Hayes, G.R.,</u> Grinter, R.E., and Abowd, G.D. *From the War Room to the Living Room: Decision Support for Home-based Therapy Teams*. In Proc CSCW 2006, 209-218. **[Best Paper Nomination]**

[C.7] Patel, S.N., Kientz, J.A., <u>Hayes, G.R.,</u> and Abowd, G.D. 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., <u>Hayes, G.R.,</u> Abowd, G.D. *Storyboarding: An Empirical Determination of Best Practices and Effective Guidelines*. In Proc DIS 2006, 12-21.

[C.5] <u>Hayes, G.R.</u> and Abowd, G.D. *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., <u>Hayes, G.R.</u>, Stevens, M. *Event-Contingent Experience Sampling to Evaluate Ubicomp Privacy in the Real World,* In Proc CHI'06, 1009-1018. **[Best Paper Nomination]**

[C.3] Kientz, J. A., Boring, S., Abowd, G. D., <u>Hayes, G. R.</u> *Abaris: Evaluating Automated Capture Applied to Structured Autism Interventions.* In Proc Ubicomp 2005, 323-339.

[C.2] <u>Hayes, G.R.</u>, Kientz, J.A., Truong, K.N., White, D.R., Abowd, G.D., Pering, T. *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. *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)

[c.30] Tentori, M., Boyd, L.E., Roxas, W., Nguyen, D.H., and Hayes, G.R. *Perceived Acceptance of the Mobile Social Compass.* Presented at the 10th Annual International Meeting for Autism Research (IMFAR 2011). May 2011.

[c.29] Mentis, H., Thimbleby,, H., Kientz, J., Hayes, G.R., and Reddy, M. *Interactive Technologies for Health.* CHI 2011. May 7-12, 2011.

[c.28] Yeganyan, M.T., Cramer, M., Boyd, L.A., and Hayes, G.R. *vSked: an interactive visual schedule system for use in classrooms for children with autism.* In Proc. IDC'10, 319-322.

[c.27] Tentori, M., L. Boyd, and Hayes, G.R. *A Mobile Social Compass.* Presented at the 9th Annual International Meeting for Autism Research (IMFAR 2010) May 2010.

[c.26] Hayes, G.R., Cheng, K., Hirano, S., Park, S., Gravem, D., Rich, J., and Cooper, D. *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.

[c.25] Liu, L. and Hayes, G.R. *Heuristic Evaluation of Personal Health Records Systems.* In Proc Workshop on Interactive Systems in Healthcare (WISH) 2010, 101-104.

[c.24] Brubaker, J., Chen, Y., Cheng, K., Combs, C., George, S., Harrison, S., Hayes, G.R., and Kaplan, S. *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.

[c.23] Marcu, G. and Hayes, G.R. *Use of SenseCam in Therapeutic Interventions for Children with Autism.* In Proc Workshop on Interactive Systems in Healthcare (WISH) 2010, 113-116.

[c.22] Rubin, A., Routh, J. Hayes, G.R., De Vries, K., and McGraw, G. *Lifestyle Hacking: Social Networks and Gen Y Meet Security and Privacy.* Panel at RSA Conference. San Francisco, CA. March 1-5, 2010.

[c.21] Cramer, M., Moher, T., Pea, R., Scacchi, W., Wilson, K., and Hayes, G.R. *Reaching Diverse Student Populations in Embedded Ubiquitous Educational Environments.* Panel at Digital Media and Learning Conference. San Diego, CA. February 19-20, 2010.

[c.20] Marcu, G. and Hayes, G.R. *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.

[c.19] Yeganyan, M., Hirano, S., Nguyen, D.H., and Hayes, G.R. *Interactive and Collaborative Classroom Visual Schedules.* Presented at the 8th Annual International Meeting for Autism Research (IMFAR 2009) Chicago IL USA. May 2009.

[c.18] Marcu, G., Nguyen, D.H., and Hayes, G.R. *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.

[c.17] Hayes, G.R. *Understanding Educational Technology through Special Education and Autism* Presentation at the Annual Meeting of the American Anthropological Association Panel on Inclusion of Autism and Disability. November 21, 2008.

[c.16] Marcu, G., Nguyen, D. H., and Hayes, G. R. *Reactions to the Use of Wearable Recording Technology for Aiding People with Memory Impairments.* Poster presented at Grace Hopper Celebration for Women in Computing, as part of the ACM Student Research Competition. Keystone CO USA. Oct 2008.

[c.15] Noack, N., Lindtner, S., Hayes, G.R. *LoRy: Locative Storytelling* In the Proceedings of Interaction Design for Children (IDC'08). Chicago IL USA. June

2008.

[c.14] Hayes, G.R., Patterson, D.J., Monibi, M., and Kaufman, S.J. *Interactive and Intelligent Visual Communication Systems*. In the Proceedings of Interaction Design for Children (IDC'08). Chicago IL USA. June 2008.

[c.13] Monibi, M. and Hayes, G.R. *Mocotos: Mobile Communications Tools for Children with Special Needs*. In the Extended Abstracts for Interaction Design for Children (IDC'08). Chicago IL USA. June 2008.

[c.12] Kaufman, S., Patterson, D.J., and Hayes, G.R., *Design of Interactive Visual Scheduling Systems*. Poster presented at International Meeting for Autism Research (IMFAR). London UK. May 2008.

[c.11] Dourish, P., Hayes, G. R., Irani, L., Lee, C. P., Lindtner, S., Nardi, B., Patterson, D. J., and Tomlinson, B. 2008. *Informatics at UC Irvine*. In CHI '08 Extended Abstracts, 3651-3656.

[c.10] Gillette, D. R., Hayes, G. R., Abowd, G. D., Cassell, J., el Kaliouby, R., Strickland, D., and Weiss, P. *Interactive technologies for autism*. In Extended Abstracts of CHI '07, 2109-2112

[c.9] Hayes, G.R., Heflin, J., Abowd, G.D., Gardere, L.M., DeFazio, C.., Pittman, C., Pirouz, N, and Hooda, S. *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, USA), 2007.

[c.8] Hayes, G.R. *Documenting, Understanding, and Sharing Everyday Activities through the Selective Archiving of Live Experiences* In the Extended abstracts of CSCW 2006.

[c.7] Hayes, G.R., Heflin, J., Abowd, G.D., Gardere, L.M., Matthews, E., Kientz, J.A., Oberleitner, R, and Pering, T. *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.

[c.6] Hayes, G.R. *Documenting and Understanding Everyday Activities through the Selective Archiving of Live Experiences* In the Extended Abstracts of CHI '06, 1759-1762.

[c.5] Hayes, G.R., Truong, K.N., Abowd, G.D., Pering. T. *Experience Buffers: A Socially Appropriate, Selective Archiving Tool for Evidence-Based Care*. In the Extended Abstracts of CHI'05, 1435-1438

[c.4] Truong, K.N., Richter, H., Hayes, G.R., Abowd, G.D. Devices for Sharing Thoughts and Affection at a Distance. In the Extended Abstracts of CHI'04, 1203-1206.

[c.3] Hayes, G.R., Piper, A.M., Amar, B., Bevis, K.J., Newstetter, W., and Bruckman, A.S. *Audience in Computer Learning: A Constructionist Interpretation.* In the International Conference of the Learning Sciences. 2004.

[c.2] Pering, T., Light, J., Sundar, M., Hayes, G., Raghunathan, V., Pattison, E., Want, R. *The Personal Server: Personal Content for Situated Displays.* In the Extended Abstracts of Ubicomp 2003.

[c.1] Hayes, G., Pierce, J.S., and Abowd, G.D. *Practices for Capturing Short Important Thoughts.* In the Extended Abstracts of CHI'03, 904-905.

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

[CnP.14] Brubaker, J.R., Hirano, S.H., and Hayes, G.R. *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.

[CnP.13] Liu, L.S. and Hayes, G.R. *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.

[CnP.12] Brubaker, J., Lustig, C., and Hayes, G.R. *PatientsLikeMe: Empowerment and Representation in a Patient-Centered Social Network.* CSCW Research in Healthcare: Past, Present, and Future. CSCW2010 Workshop. Savannah, GA. February 2010.

[CnP.11] Truong, K.N. and Hayes, G.R. *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.

[CnP.10] Kientz, J.A., Hayes, G.R., Arriaga, R., Abowd, G.D. *Designing and Developing Technology for Caregivers of Individuals with Autism* CHI 2008 Workshop on Technology in Mental Health. Florence, Italy. April 2008.

[CnP.9] Hayes, G.R. *Reconsidering Education and Learning in HCI: A Social Cultural View of Special Education and Technology*, Presented at the Human-Computer Interaction Consortium (HCIC 2008). Fraser, CO., February 2008.

[CnP.8] Hayes, G.R. and Patterson, D.J. *Supporting Individuals with Special Needs through Intelligent Visual Schedules*, Workshop on Augmented Cognition, Rochester, NY, October 2007.

[CnP.7] Hayes, G.R. *Documenting and Understanding Everyday Activities through the Selective Archiving of Live Experiences* Presented at the Grace Hopper Celebration of Women in Computing, (October 4 - 7, San Diego, California, USA), 2006

[CnP.6] Hayes, G.R. *Documenting and Understanding Everyday Activities through the Selective Archiving of Live Experiences* Presented at the Human Computer Interaction Consortium 2006 (February 1 – 5, Fraser, CO), 2006.

[CnP.5] Abowd, G.D., Hayes, G.R., Kientz, J.A., Mamykina, L., and Mynatt, E.D. *Challenges and Opportunities for Collaboration Technologies for Chronic Care Management,* Presented at The Human-Computer Interaction Consortium (HCIC 2006). Frasier, CO., 2006.

[CnP.4] Hayes, G.R. and Abowd, G.D. *Assessment of Children with Autism Spectrum Disorders through Data Collection in the Natural Environment* Worskhop on Health Issues in HCI at CHI'05 (April 2-7, Portland, OR, USA), 2005.

[CnP.3] Lundell, J. and Hayes, G.R. *Prompting and Feedback Displays to Support the Morning Routines of Elders*. Proc HCI International 2005 (July 22-25, Las Vegas, NV, USA), 2005.

[CnP.2] Hayes, G.R. *Of Blogs and Journals: How We Express Our Most Intimate Thoughts.* Workshop on Intimate Computing at Ubicomp 2003 (October 12-15, Seattle, WA), 2003.

[CnP.1] Hayes, G.R., Rea, A., Brunette, W., Abowd, G.D., Pierce, J.S., Truong, K.N., Pering, T.
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.

OTHER JOURNAL PARTICIPATION

[OJ.3] Hayes, G.R. and Karahalios, K.G. *Theme issue on autism and technology.* Personal and Ubiquitous Computing. In Press.

[OJ.2] Hayes, G.R. and Dey, A.K. *The Pervasive 2007 Workshops* IEEE Pervasive Computing (7) 1: 85-88. Jan-Mar 2008.

[OJ.1] Hayes, G.R. and Truong, K.N. *Autism, Environmental Buffers, and Wearable Servers.* IEEE Pervasive Computing, (4)2: 14 – 17. Jan-Mar 2005.

TECHNICAL REPORTS

[T.R.3] <u>Hayes, G.R.,</u> Gardere, L.M., Abowd, G.D., DeFazio, C., Heflin, J., Truong, K.N., and Pering, T. *CareLog: A Selective Archiving Tool for Behavior Management in Schools* Georgia Institute of Technology Technical Report GIT-GVU-06-21. November 2006.

[TR.2] <u>Hayes, G.R.,</u> Piper, A.M., Amar, B., Bevis, K.J., Newstetter, W., and Bruckman, A.S. *Audience in Computer Learning: A Constructionist Interpretation.* Georgia Institute of Technology Technical Report GIT-GVU-04-13. April 2004.

[TR.1] <u>Hayes, G. R.,</u> Pierce, J.S., and Abowd, G.D. *User Trends in the Capture and Access of Short Important Thoughts.* Georgia Institute of Technology Technical Report GIT-GVU-03-09. April 2003.

INVITED PRESENTATIONS

[IP.12] *Technologies to Support Individuals with Autism.* CalSTAT Regional Institute – Transition Summit. January 26, 2012.

[IP.11] *Field Deployments*. Panel at Human-Computer Interaction Consortium with M. Newman, J.Tang, and K. Siek. June 15, 2011.

[IP.10] *Practicing Public Scholarship: Rethinking Faculty Work.* Panel at Public Scholarship Conference with M. Jafari, P. Ong, and and M. Montoya, University of California, Irvine. April 25, 2011

[IP.9] *Using Ubiquitous & Collaborative Computing to Meet the Needs of Children and Families Experiencing Chronic Conditions*. dub seminar, University of Washington. February 9, 2011.

[IP.8] *Using Ubiquitous & Collaborative Computing to Meet the Needs of Children and Families Experiencing Chronic Conditions*. IST seminar, Pennsylvania State University. February 7, 2011.

[IP.17] *Computing to Support Chronic Health Conditions in Childhood*. University of Toronto, Department of Computer Science. September 17, 2010.

[IP.16] *Documenting Observations of Daily Living for Children With or At Risk for Chronic Health Conditions*, 4OCKids Neurodevelopmental Seminar Series. June 3, 2010.

[IP.15] *Embedded, Ubiquitous, and Mobile Computing in Educational Environments*, College of Education, University of South Alabama. May 7, 2010.

[IP.14] *Documenting Observations of Daily Living for Chronic Health Condition.* Microsoft Research. March 25, 2010.

[IP.13] *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 the American Medical Informatics Association. October 29-30, 2009.

[IP.12] *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.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 for 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.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)

[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)

[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)

[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)

| [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) |
| [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) |

STUDENTS SUPERVISED

- PhD Student Primary Advisor [graduation date] (notes)
  David Nguyen [Spring 2011]
  Meg Cramer
  Jed Brubaker
  Lynn Dombrowski (co, with Melissa Mazmanian)
  Sen Hirano

- PhD Student Committees
  Sara Javanmardi (Advancement)
  Judy Chen (Advancement, PhD Thesis)
  Silvia Lindtner (Advancement)
  Lilly Irani (Advancement)
  Patrick Shih (Advancement)
  Kim Sullivan (Anthropology, Advancement)

- Masters Student Primary Advisor
  Sen Hirano [Spring 2011]
  Leslie Liu [Spring 2011]
  Michael Yeganyan [Spring 2011]
  Boaz Gurdin

- Masters Student Committees
  Kah Liu [Spring 2010]

- Undergraduate Student Supervision
  Paulo Arrastia (Honors)
  Aurora Benford (Honors, UROP)
  Alex Bretana (UROP, SURP)
  Yuja Chang (Mt. Sac Community College Program)
  Chris Combs (SURP)
  Niraj Desai
  Jared Haren
  Noelia Hernandez (MDP)
  Sen Hirano (UROP)
  Yann Jouitteau
  Lucas Kam
  Sam Kaufman (UROP, SURP)

Tom Lillehoff (SURP)
Christina Liang
Leslie Liu (SURP, UROP)
Albert Luk
Gabriela Marcu (Honors, SURP, UROP)
Nehal Patel
Aaron Pecson
Robert Rodriguez (UROP)
Zubin Singh
Brian Sone
Lee Taber
Rachel Rose Ulgado (SURF-IT, UROP)
Minhut Vo (UROP)
Ryan Wallace (SURP)
Michael Yeganyan (UROP)
Ellen Matthews, GT
Jesslyn Beattie, GT
Veronica Peshterianu, GT
Laura Rouse, GT
Priyanka Mihalanabis, GT
Uzo Okafor, GT
Anne Marie Piper, GT

FUNDING

[F.15]	Google Research Award: Supporting Healthy Outcomes for High-Risk Infants Using Mobile Computing and Personal Health Records	$64,000 + $10,000 in kind (Android phones)
[F.14]	NSF US-Mexico Workshop on Interactive and Ubiquitous Computing uniting the Californias; Ensenada, Mexico, March 2011	$16,883 9/30/2010-9/30/2011
[F.13]	Donor Gift for Ubicomp Autism Research	$20,000
[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)	$15,725 in kind (phones) + $9,860 cash gift
[F.6]	Smith Family Seed Fund: Using SenseCam for Children with Autism (PI Hayes)	$3,300
[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 3/08-3/10
[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 12/07–6/08
[F.1]	Council on Research, Computing and Library Resources (CORCLR) grant for project on Tools for Collaborative Brainstorming (PI Hayes)	$4,500 11/07-6/08

TEACHING		# Students
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 Computing	13
Summer 2005	CS4750: Introduction to Human-Computer Interaction	41

SERVICE

Professional

Program Committees and Journal Editing:
- Associate Editor, Personal and Ubiquitous Computing, 2011-present

- Editorial Board, Autism News, 2010-present
- 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
- Interact 2007
- Mobiquitous 2007

Conference Committees:
- Program Co-Chair, Ubicomp 2012
- Health Community Co-Chair, CHI 2011
- Notes Co-Chair, ACM GROUP 2010
- Academic Advisory Committee, Grace Hopper Celebration of Women in Computing, 2010
- Doctoral Colloquium Co-Chair, CSCW 2010
- Planning and Program Committee, Kavli US-Chinese Frontiers of Science, National Academies of Science, 2008, 2009
  Publications Chair, CSCW 2008
- Workshops Co-Chair, Pervasive 2007
- Student Volunteer Co-Chair, Ubicomp 2006

Reviewer:
- 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)
- 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 (2003-2009)
- CSCW: Computer Supported Cooperative Work (2010)
- 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)

- WMCSA: IEEE Workshop on Mobile Computing Systems & Applications (2003, 2004)

Other Organization and Volunteering:
- Doctoral Colloquium Faculty Panelist, AMIA 2010
- Co-Chair, WISH 2010
- Autism and Technology Online Community Manager (2007-present)
- Co-Chair, Designing for Children with Special Needs at IDC 2008
- Co-Chair, Ubicomp in the Office Workshop at Ubicomp 2007
- Session Chair, CHI 2008, CSCW 2008, CHI 2010
- Student Volunteer, UIST 2003, Ubicomp 2003, CHI 2006

University
UC Irvine
- ICS Representative to the Division Assembly of the Academic Senate (2011-2013)
- Committee for Civic Engagement (2007-present)
- Informatics Graduate Student Association Faculty Advisor (2007-present)
- Faculty Advisory Committee for Minor in Civic and Community Engagement (2009-present)
- Graduate Student Retention and Outreach Committee, Chair (2008-2009)
- Women in Information and Computer Sciences, Faculty Co-Advisor (2008-2009)
- Medical Informatics Strategic Planning Task Force (2007-present)
- Graduate Student Admissions and Recruitment Committee (2007-2008)
- Arts, Computation, and Engineering program faculty (2007 – present)
- Center for Biomedical Informatics Advisory Board (2007 – present)

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)
- Institute of Electrical and Electronics Engineers, Inc. (IEEE)
- IEEE Computer Society
- American Anthropological Association (AAA)
- American Medical Informatics Association (AMIA)

UCI
- 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)