

CURRICULUM VITA

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EDUCATIONAL BACKGROUND

Degree	Year	University	Department
Ph.D.	1995	Georgia Institute of Technology	Computer Science
M.S.	1989	Georgia Institute of Technology	Information and Computer Science
B.S.	1988	North Carolina State University <i>summa cum laude</i>	Computer Science

EMPLOYMENT HISTORY

Position	Institution	Dates
Director	GVU Center	7/2005-Present
Associate Director	Heath Systems Institute (GT/Emory)	1/2006-1/2007
Director	Aware Home Research Initiative	1/2004-7/2005
Associate Director	GVU Center	2/2001-7/2005
Associate Professor	School of Interactive Computing	7/2002-Present
Assistant Professor	College of Computing	8/1998-6/2002
Member of Research Staff	Xerox PARC	9/1995-8/1998
Research Scientist	College of Computing	1989-1994
Visiting Researcher	Xerox PARC	8/1994-9/1994
Summer Research Intern	Sun Microsystems Laboratories	6/1992-9/1992

CURRENT FIELDS OF INTEREST

My research interests address Human-Centered Computing, HCI, Health Informatics, Ubiquitous Computing, and Assistive Technologies. My current research focuses on the implications and opportunities stemming from the pervasive presence of computation in the informal activities of everyday life. In home environments, I am interested in using computing technology to increase the independence and capabilities of people and families for domains such as chronic health care, aging in place, and cognitive prosthetics. In office environments, I am interested in supporting fluid collaboration practices by leveraging the integrated design of physical and digital spaces and services with social practices surrounding information sharing. In these endeavors, the activities of my research include both the exploration and design of interaction techniques and prototype applications for these domains, as well as ethnographic and laboratory investigations to understand the need for and the evaluation of these computational services. More generally I am committed to understanding the evolving discipline of HCC especially with respect to the field of HCI, one of its major historical disciplinary parents.

TEACHING

A. Courses Taught

Term	Course	# Students	Comments
Summer 1994	CS 6751 Human-Computer Interaction	56	Course redesign
Winter 1995	CS 4753 Human Factors in Software Design	23	Course redesign
Winter 1999	CS 6750 Human-Computer Interaction	33	
Spring 1999	CS 6752 Qualitative Methods in HCI	30	Course redesign
Fall 1999	CS 6750 Human-Computer Interaction	34	Semester redesign
	CS 8001 B Future Computing Environments Seminar	30	
	CS 8001 D Everyday Computing Environments Seminar	15	New Seminar
	CS 4801 A Building Ubiquitous Computing Devices and Software	8	Renew course
Spring 2000	CS 7470 Mobile and Ubiquitous Computing	35	New course materials and semester redesign
	CS 8001 B Future Computing Environments Seminar	30	
	CS 8001 D Everyday Computing Environments Seminar	15	
	CS 4801 A Building Ubiquitous Computing Devices and Software	8	
	CS 3351 Project Group Supervisor	3	
Fall 2000	CS 6750 Human-Computer Interaction (2 sections)	55	
	CS 8001 D Everyday Computing Environments Seminar	15	
Summer 2000	CS 3351 Project Group Supervisor	7	
Fall 2001	CS 6750 Human-Computer Interaction	38	
	CS 8001 D Everyday Computing Environments Seminar	11	
	CS 8001 H HCI MS Seminar	20	New seminar for HCI MS program
Spring 2002	CS 8001 H HCI MS Seminar	20	
Fall 2002	CS 8001 H HCI MS Seminar	30	

Term	Course	# Students	Comments
Spring 2003	CS 8001 H HCI MS Seminar	30	
Fall 2003	CS 6750 Human-Computer Interaction	42	
	CS 7470 Computer-Supported Collaborative Work	20	New course
	CS 8001 H HCI MS Seminar	30	
Fall 2004	CS 1315 Media Computation	200	
	CS 4452 HCC Intro to Computing	8	New course
	CS 6451 HCC Theory and Methods (joint with Kolodner)	12	New course
Fall 2005	CS 6451 HCC Theory and Methods	12	Significant update
Spring 2006	CS 7455 HCC Issues	6	New course
Fall 2006	CS 6451 HCC Theory and Methods	2	GT Lorraine
	CS 7470 Mobile and Ubiquitous Computing	5	GT Lorraine
Spring 2007	CS 7455 HCC Issues	8	
Spring 2008	CS 7455 HCC Issues	12	

B. Curriculum Development.

For seven years (2000-2007) I played a leadership role in the design and management of two premier educational programs: our new Ph.D. in Human-Centered Computing and our top tier M.S. program in Human-Computer Interaction. For the HCC Ph.D. program, I co-chaired the first formative committee that charted the possibilities for a new human-centric Ph.D. program. I then chaired the final committee that finalized the design of the HCC program and led it through the CoC, GT, and Board of Regents approval process. I directed the HCC program from its inception until the Fall of 2006 by continuing to build the HCC faculty community and commitment, recruiting the first three classes of students and managing the coordination of this new degree alongside our existing CS Ph.D. program.

I took over the reins of the HCI MS program from its founder, Professor Badre, in 2000 until January 2006. My activities centered on building the quality of the project component of the degree, better integrating these students into our faculty and research communities, updating our curriculum based on many new relevant courses that had emerged across the campus, and leading the program review process.

I have been active in designing and teaching the new courses that make up the core curriculum for the HCC Ph.D. program including 4452 (Intro to Computing), 6451 (HCC Theory and Methods) and 7455 (HCC Issues). I have re-designed three courses: the graduate course in Human-Computer Interaction (6751, 1994), the parallel undergraduate course (4753, 1995) and the “HCI II” graduate class creating a focus on “Qualitative Methods in HCI” with Wendy Newstetter (6752, 1999). In the fall of 2003, I re-introduced our graduate course in computer-supported collaborative work with completely new content and format. I have been involved in some of the course-specific curriculum development activities; in particular, the graduate courses in Human-Computer Interaction and Mobile and Ubiquitous Computing. The repeating HCI MS Seminar focused on the needs of the students in the HCI MS program, in particular a forum for presenting project ideas and results.

C. Individual Student Guidance

Postdoctoral Fellows Supervised

Ph.D. Students

Joe Tullio, since January 1999, graduated May 2005.

Major papers include C31, C35, C41, C64

Jim Rowan, since January 1999, graduated December 2005.

Major papers include J14, C27, C33, C39, C44, C45, C51, C56,

Mike Terry, since January 2000, graduated August 2005.

Major papers include J17, C32, C36, C37, C40, C42, C47,

Elaine Huang, since January 2001, graduated May 2006.

Major papers include J18, J19, BC.4, C36, C43, C62,

Amy Mitchell Volda, since August 2001, will graduate August 2008.

Major papers include C38, C48, C52, C53, C63, C70

Stephen Volda, since August 2001, will graduate August 2008.

Major papers include J.13, BC.4, BC.6, C35, C69, C70

Lena Mamykina, since August 2005, will graduate December 2008.

Major papers include BC.7, BC.8, BC.9, C32, C58, C60, C61, C65, C67

Jeremy Goecks, since January 2002, will graduate April 2009.

Major papers include BC.5, C41, C50, C59, C70

Eugene Medynskiy, since January 2008.

Quan Tran, since January 2000, ABD.

David Nguyen, since January 1999. (left program)

Jessica Paradise Elliott, since August 2001. On leave as of June 2008.

Ph.D. Student Thesis Committees

Media Laboratory, MIT

Bradley Rhodes (MIT, graduated June 2000)

College of Computing, Georgia Tech

Susan Wyche (will propose 2008)

Zach Pousman (will propose 2008)

Brian Landry (will graduate 2009)
Helene Brashear (will graduate 2008)
Steven Dow (will graduate 2008)
Julie Kientz (will graduate 2008)
Jay Summitt (graduated 2006)
Kris Nagel (graduated 2006)
Duke Hutchings (graduated 2006)
Heather Richter (graduated 2005)
Jason Elliott (graduated 2005)
Jason Ellis (graduated 2003)
Jennifer Mankoff (graduated 2001)
Anind Dey (graduated 2000)

M.S.. Thesis / Projects

Media Laboratory, MIT

Roy Rodenstein (MIT thesis, graduated June 2000)

Georgia Institute of Technology

1999-2000 Tom Drewes, Olena Mamykina, Sarah Craighill, HCI, Computing

2000, Martin Young, MS Thesis, Mechanical Engineering

2000-2001 Jessica Paradise, Stephen Volda, HCI, Computing

2002-2003 Rahul Nair, HCI, Computing

2003-2004 Jaroslav Tyman, HCI, Computing

2003-2005 Gine Calcateera, Femi Olfumiko, HCI, Computing

2005-2007 Dan Greenblatt, HCI, Computing

2007-2008 Jiten Chhabra, HCI, Computing

Visiting Researchers

April 2001-March 2002, Itiro Siio, Tamagawa University, Tokyo, Japan, Associate Professor

Visiting Students

Spring-Summer 2001, Klaus Marius Hansen, Aarhus University, Sweden, Ph.D. student

Spring 2001, Cliff Williams, Drexel University, MS student

Summer 2000, Frederick Thornton, Morehouse College, (CoC Intern Program), undergraduate

Summer 1998, Takeo Igarashi, University of Tokyo, Ph.D. student (Xerox PARC intern program)

Summer 1997, Jason Ellis, Georgia Institute of Technology, Ph.D. student
(Xerox PARC intern program)

Summer 1997, Michael Baer, UC Berkeley, undergraduate student, (Xerox PARC intern program)

D. Teaching Honors and Awards

“THANKS FOR BEING A GREAT TEACHER!” Award, “In appreciation of your teaching style and dedication to helping students learn in HCC Issues,” CETL Thank A Teacher Program, Georgia Tech, March 2008

RESEARCH AND CREATIVE SCHOLARSHIP

A. Thesis

- [D.1] “Audio GUIs: Transforming Graphical User Interfaces into Auditory Interfaces,” Ph.D thesis, August 1995.
Dr. James Foley (advisor), College of Computing, Georgia Institute of Technology.
Committee: Sara Bly, Gregory Corso, William Gaver and Scott Hudson

B. Published Journal Papers (refereed)

- [J.1] Edwards, W.K., Mynatt, E.D. and Rodriguez, T. 1993. The Mercator Project: A Nonvisual Interface to the X Window System, *The X Resource*, Sebastopol, CA. Issue #7. Summer, 1993. pp. 33-55.
- [J.2] Hodges, L. F., Bolter, J., Mynatt, E.D., Ribarsky W., and van Teylingen, R., “Virtual Environments Research at the Georgia Tech GVU Center,” *PRESENCE: Teleoperators and Virtual Environments*, Vol 2. No. 3, (1994), MIT Press, 234-243.
- [J.3] Mynatt, E.D., “Auditory Presentation of Graphical User Interfaces,” *Auditory Display: Sonification, Audification and Auditory Interfaces*, (ed.) Kramer, G., SFI Studies in the Sciences of Complexity, Vol XVIII, Addison Wesley, 1994, 533-555.
- [J.4] Edwards, W. K., Mynatt, E. D., and Stockton, K. 1995. Access to graphical interfaces for blind users. *interactions* 2, 1 (Jan. 1995), 54-67.
- [J.5] Edwards, W.K., Liebeskind, S.H., Mynatt, E.D. and Walker, W.D. 1995. A Remote Access Protocol for the X Window System, *The X Resource*, Sebastopol CA. Issue #13, Winter, 1995.
- [J.6] Mynatt, E.D. “Transforming Graphical Interfaces into Auditory Interfaces for Blind Users,” In the *Journal on Human Computer Interaction*. 12 (1&2), Lawrence Erlbaum Associates. 1997, 7-45.
- [J.7] Mynatt, E. D., O’Day, V. L., Adler, A., and Ito, M. 1998. Network Communities: Something Old, Something New, Something Borrowed *Comput. Supported Coop. Work* 7, 1-2 (Jan. 1998), 123-156.
- [J.8] Abowd, G. D. and Mynatt, E. D. 2000. Charting past, present, and future research in ubiquitous computing. *ACM Trans. Comput.-Hum. Interact.* 7, 1 (Mar. 2000), 29-58.
- [J.9] Mynatt, E. D., Igarashi, T., Edwards, W. K., and LaMarca, A. 2000. Designing an Augmented Writing Surface. *IEEE Comput. Graph. Appl.* 20, 4 (Jul. 2000), 55-61.
- [J.10] Ito, M., O’Day, V. L., Adler, A., Linde, C., and Mynatt, E. D. 2001. Making a place for seniors on the Net: SeniorNet, senior identity, and the digital divide. *SIGCAS Comput. Soc.* 31, 3 (Sep. 2001), 15-21.
- [J.11] Abowd, G., Mynatt, E.D., and Rodden, T. "The Human Experience." In the *IEEE Pervasive Computing* special issue on "Reaching for Weiser's Vision," IEEE Press, January-March 2002, 48-57.
- [J.12] Mynatt, E. D., and Rogers, W. A. “Developing technology to support the functional independence of older adults,” *Ageing International*, Springer, 27(1): 2002, 24-41.

- [J.13] Volda, S., Mynatt, E. D., MacIntyre, B., and Corso, G. M. 2002. Integrating Virtual and Physical Context to Support Knowledge Workers. *IEEE Pervasive Computing* 1, 3 (Jul. 2002), 73-79.
- [J.14] Mynatt, E. D., Rowan, J., Tran, Q., Abowd, G., Rogers, W., Siio, I. 2003. Designing home appliances for older adults. In *Cognitive Studies: Bulletin of the Japanese Cognitive Science Society*, 10:3, Sept 2003.
- [J.15] Liogkas, N., MacIntyre, B., Mynatt, E. D., Smaragdakis, Y., Tilevich, E., and Volda, S. 2004. Automatic Partitioning: Prototyping Ubiquitous-Computing Applications. *IEEE Pervasive Computing* 3, 3 (Jul. 2004), 40-47.
- [J.16] Mynatt, E. D., Melenhorst, A. S., Fisk, A. D., & Rogers, W. A. 2004. Aware technologies for aging in place: Understanding user needs and attitudes. *IEEE Transactions on Pervasive Computing*, April-June, 2004, 36-41.
- [J.17] Terry, M. and Mynatt, E.D. 2005. Enhancing general-purpose tools with multi-state previewing capabilities. In *Knowledge-Based Systems*. (KBS) 18(8): 2005, 415-425.
- [J.18] Huang, E. M., Mynatt, E. D., Russell, D. M., and Sue, A. E. 2006. Secrets to Success and Fatal Flaws: The Design of Large-Display Groupware. *IEEE Comput. Graph. Appl.* 26, 1 (Jan. 2006), 37-45.
- [J.19] Huang, E. M., Mynatt, E. D., and Trimble, J. P. 2007. When design just isn't enough: the unanticipated challenges of the real world for large collaborative displays. *Personal Ubiquitous Comput.* 11, 7 (Oct. 2007), 537-547.

C. Published Books and Parts of Books

Books

- [B.1] Committee on Broadband Last Mile Technology, Computer Science and Telecommunications Board, National Research Council. (2002) *Broadband: Bringing Home the Bits* (2002) Nikil Jayant (Committee chair). Washington, D.C., National Academies Press.

Book Chapters

- [BC.1] Mynatt, E. D. and Edwards, W. K. 1995. Metaphors for nonvisual computing. In *Extra-Ordinary Human-Computer interaction: interfaces For Users with Disabilities*, A. D. Edwards, Ed. Cambridge University Press, New York, NY, 201-220.
- [BC.2] Abowd, Gregory D and Mynatt, Elizabeth D Ubiquitous computing: Past, present and future, *HCI in the New Millennium* (Addison-Wesley, 2001), 511-536.
- [BC.3] Rogers, W. A., & Mynatt, E. D. (2003). How can technology contribute to the quality of life of older adults? In M. E. Mitchell (Ed.), *The technology of humanity: Can technology contribute to the quality of life?* (pp. 22-30). Chicago, IL: Illinois Institute of Technology.
- [BC.4] Mynatt, E. D., Huang, E. M., Volda, S., MacIntyre, B. (2003). Large displays for knowledge work. In O'Hara, K., Perry, M., Churchill, E., Russell, D. (Eds.) *Public and Situated Displays*. Kluwer Academic Publishers.

- [BC.5] Goecks, J., Mynatt, E.D. 2005. Social approaches to end-user privacy management In *Designing secure systems that people can use* (Eds. L. Cranor & S. Garfinkel). O'Reilly.
- [BC.6] Volda, S., Mynatt, E.D. & MacIntyre, B. (2007). Supporting activity in desktop and ubiquitous computing. In V. Kaptelinin & M. Czerwinski (Eds.), *Designing integrated digital work environments: Beyond the desktop metaphor*. Cambridge, Massachusetts: MIT Press.
- [BC.7] Mamykina, L. and Mynatt E. In press. In the eye of the beholder; interpreting health and wellness information captured by auto-identification and ubiquitous computing applications In Symonds, Parry and Ayoada (Eds.), *Handbook of Research on Auto Identification and Ubiquitous Computing Application: RFID and Smart Technologies for Information Convergence*, Information Science Reference, IGI Global.
- [BC.8] Mynatt, E., Mamykina L., Kientz, J. and Abowd, G. In press. Understanding the Potential of Ubiquitous Computing for Chronic Disease Management. In Hayes and Aspray (Eds.), *The Informatics of Diabetes*, SciTech Publishers.
- [BC.9] Mynatt, E. and Mamykina L. In press. An Iterative Approach in Designing UbiComp Technologies that Assist Individuals in Managing Diabetes. In Hayes and Aspray (Eds.), *The Informatics of Diabetes*, SciTech Publishers.

D. Edited Proceedings

- [EP.1] Tremaine, M., Cole, E, and Mynatt, E.D. (Eds.): Proceedings of the ACM Conference on Assistive Technologies, ASSETS 2000, Arlington, Virginia, USA, November 13-15, 2000. ACM 200
- [EP.2] Mynatt, E.D. 2001. *User Interface Software and Technology (UIST) 2001. The 14th Annual ACM Symposium on User Interface Software and Technology*. Orlando, Florida. November 11-14, 2001.
- [EP.3] Davies, N., Mynatt, E., and Siio, I. 2004 Ubicomp 2004: Ubiquitous Computing: 6th International Conference, Nottingham, Uk, September 7-10, 2004, Proceedings (Lecture Notes in Computer Science). Springer-Verlag New York, Inc.
- [EP.4] Jones, M., Nardi, B., and Mynatt, E. D. 2005. *ACM Transactions on Human Computer Interaction*, Special Issue on "Social Impacts of Technology", Vol 12(2). June 2005. 147-148.

E. Conference Presentations

Invited Plenaries and Keynotes

- Mynatt, E.E. "Enabling Older Adults to Age in Place," invited plenary at the New Age Caregiving Conference & Expo, November 3, 2001.
- Mynatt, E. 2006. From mainframes to picture frames: charting the rapid evolution of visual interfaces. Invited plenary. In Proceedings of the Working Conference on Advanced Visual interfaces (Venezia, Italy, May 23 - 26, 2006). AVI '06. ACM, New York, NY, 15-15.
- Mynatt, E.D. "The Human Face of Ubiquitous Computing" invited plenary at Graphics Interface (GI) 2006, June 9, 2006.

Mynatt, E.D., "Pervasive Technology for Chronic Healthcare" invited plenary at 1st International Conference on Pervasive Computing Technologies for Healthcare 2006, Dec 1, 2006.

Refereed Conference Papers

Entries in bold represent stringently reviewed international conference publications with highly selective acceptance rates (<30%).

- [C.1] Eidbo, M. and Mynatt, E.D., Teaching about the Real World: Issues in Designing a Software Engineering Practicum, in the *Proceedings of the Second Annual Software Engineering Research Forum*, Melborne, FL, Nov. 5-6, 1992, 21-25. Full paper.
- [C.2] **Mynatt, E. D. and Edwards, W. K. 1992. Mapping GUIs to auditory interfaces. In Proceedings of the 5th Annual ACM Symposium on User Interface Software and Technology (Monterey, California, United States, November 15 - 18, 1992). UIST '92. ACM, New York, NY, 61-70. Full paper.**
- [C.3] Mynatt, E. D. 1994. Designing with auditory icons: how well do we identify auditory cues?. In Conference Companion on Human Factors in Computing Systems (Boston, Massachusetts, United States, April 24 - 28, 1994). C. Plaisant, Ed. CHI '94. ACM, New York, NY, 269-270.
- [C.4] **Mynatt, E. D. and Weber, G. 1994. Nonvisual presentation of graphical user interfaces: contrasting two approaches. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems: Celebrating Interdependence (Boston, Massachusetts, United States, April 24 - 28, 1994). B. Adelson, S. Dumais, and J. Olson, Eds. CHI '94. ACM, New York, NY, 166-172. Full paper.**
- [C.5] **W. Keith Edwards, Elizabeth D. Mynatt (1994). An Architecture for Transforming Graphical Interfaces, Proceedings of the ACM Symposium on User Interface Software and Technology (UIST'94). Marina Del Rey, CA, November, 1994. pp. 39-48. Full paper.**
- [C.6] Edwards, W. K., Mynatt, E. D., and Stockton, K. 1994. Providing access to graphical user interfaces—not graphical screens. In *Proceedings of the First Annual ACM Conference on Assistive Technologies* (Marina Del Rey, California, United States, October 31 - November 01, 1994). Assets '94. ACM, New York, NY, 47-54. Full paper.
- [C.7] Mynatt, E.D. 1994. Designing Auditory Icons," in the *Proceedings of the Second International Conference on Auditory Display*, Santa Fe Institute, Santa Fe, NM, Nov. 7-9, 1994, 109-120. Full paper.
- [C.8] Smith, I. E., Hudson, S. E., Mynatt, E. D., and Selbie, J. R. 1995. Applying cryptographic techniques to problems in media space security. In *Proceedings of Conference on Organizational Computing Systems* (Milpitas, California, United States, August 13 - 16, 1995). N. Comstock and C. Ellis, Eds. COCS '95. ACM, New York, NY, 190-196. Full paper.
- [C.9] **Edwards, W. K. and Mynatt, E. D. 1997. Timewarp: techniques for autonomous collaboration. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (Atlanta, Georgia, United States, March 22 - 27, 1997). S. Pemberton, Ed. CHI '97. ACM, New York, NY, 218-225. Full paper.**

- [C.10] Mynatt, E. D., Adler, A., Ito, M., and O'Day, V. L. 1997. Design for network communities. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems* (Atlanta, Georgia, United States, March 22 - 27, 1997). S. Pemberton, Ed. CHI '97. ACM, New York, NY, 210-217. Full paper.
- [C.11] Mynatt, E. D. 1997. Designing Auditory Cues for Mercator. In *Proceedings of the IFIP Tc13 International Conference on Human-Computer Interaction* (July 14 - 18, 1997). S. Howard, J. Hammond, and G. Lindgaard, Eds. Chapman & Hall Ltd., London, UK, 236-243. Full paper.
- [C.12] W. Keith Edwards, Elizabeth D. Mynatt, Karin Petersen, Mike J. Spreitzer, Douglas B. Terry, Marvin M. Theimer (1997). Designing and Implementing Asynchronous Collaborative Applications with Bayou. *Proceedings of the ACM Symposium on User Interface Software and Technology (UIST'97)*. Banff, Alberta, Canada, October 14-17, 1997. pp. 119-128. Full paper.
- [C.13] Mynatt, E. D., Back, M., Want, R., and Frederick, R. 1997. Audio aura: light-weight audio augmented reality. In *Proceedings of the 10th Annual ACM Symposium on User Interface Software and Technology* (Banff, Alberta, Canada, October 14 - 17, 1997). UIST '97. ACM, New York, NY, 211-212.
- [C.14] Mynatt, E. D., Back, M., Want, R., Baer, M., and Ellis, J. B. 1998. Designing audio aura. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems* (Los Angeles, California, United States, April 18 - 23, 1998). C. Karat, A. Lund, J. Coutaz, and J. Karat, Eds. ACM Press/Addison-Wesley Publishing Co., New York, NY, 566-573. Full paper.
- [C.15] Mynatt, E. D., Igarashi, T., Edwards, W. K., and LaMarca, A. 1999. Flatland: new dimensions in office whiteboards. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems: the CHI Is the Limit* (Pittsburgh, Pennsylvania, United States, May 15 - 20, 1999). CHI '99. ACM, New York, NY, 346-353. Full paper.
- [C.16] Mynatt, E. D., Adler, A., Ito, M., Linde, C., and O'Day, V. L. 1999. Learning from seniors in network communities. In *CHI '99 Extended Abstracts on Human Factors in Computing Systems* (Pittsburgh, Pennsylvania, May 15 - 20, 1999). CHI '99. ACM, New York, NY, 47-48.
- [C.17] Mynatt, E.D. 1999. The Writing on the Wall. In the *Proceedings of the Seventh IFIP Conference on Human-Computer Interaction* (INTERACT '99), August 30-Sept 3, 1999, Edinburgh, UK, 196-204. Full paper.
- [C.18] Mynatt, E. D., Adler, A., Ito, M., Linde, C., and O'Day, V. L. 1999. The network communities of SeniorNet. In *Proceedings of the Sixth Conference on European Conference on Computer Supported Cooperative Work* (Copenhagen, Denmark, September 12 - 16, 1999). S. Bødker, M. Kyng, and K. Schmidt, Eds. Kluwer Academic Publishers, Norwell, MA, 219-238. Full paper.
- [C.19] Kidd, C. D., Orr, R., Abowd, G. D., Atkeson, C. G., Essa, I. A., MacIntyre, B., Mynatt, E. D., Starner, T., and Newstetter, W. 1999. The Aware Home: A Living Laboratory for Ubiquitous Computing Research. In *Proceedings of the Second international Workshop on Cooperative Buildings, integrating information, Organization, and Architecture* (October 01 - 02, 1999). N. A. Streitz, J. Siegel, V. Hartkopf, and S. Konomi, Eds. Springer-Verlag, London, 191-198. Full paper.

- [C.20] **O'Day, V. L., Ito, M., Linde, C., Adler, A., and Mynatt, E. D. 1999. Cemeteries, oak trees, and black and white cows: learning to participate on the internet. In *Proceedings of the 1999 Conference on Computer Support For Collaborative Learning (Palo Alto, California, December 12 - 15, 1999)*. C. M. Hoadley and J. Roschelle, Eds. International Society of the Learning Sciences, 45. Full paper.**
- [C.21] Drewes, T., Gandy, M., and Mynatt, E.D. 2000. Clue: An Audio Experience. In *Proceedings of International Conference on Auditory Display (ICAD)*, Atlanta, GA, April 2000, 43-48.
- [C.22] Camp, P. J., Hudson, J. M., Keldorph, R. B., Lewis, S., and Mynatt, E. D. 2000. Supporting communication and collaboration practices in safety-critical situations. In *CHI '00 Extended Abstracts on Human Factors in Computing Systems (The Hague, The Netherlands, April 01 - 06, 2000)*. CHI '00. ACM, New York, NY, 249-250.
- [C.23] Abowd, G. D., Atkeson, C. G., Bobick, A. F., Essa, I. A., MacIntyre, B., Mynatt, E. D., and Starner, T. E. 2000. Living laboratories: the future computing environments group at the Georgia Institute of Technology. In *CHI '00 Extended Abstracts on Human Factors in Computing Systems (The Hague, The Netherlands, April 01 - 06, 2000)*. CHI '00. ACM, New York, NY, 215-216.
- [C.24] Mynatt, E. D. 2000. Co-opting everyday objects. In *Proceedings of DARE 2000 on Designing Augmented Reality Environments (Elsinore, Denmark)*. DARE '00. ACM, New York, NY, 145-146.
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Panel presentations

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Leventhal, L., Zajicek, M., Jorge, J., Coleman, K., Jacob, R. J., Branco, P., Novick, D., Abascal, J., and Mynatt, E. 2002. "When I'm sixty-four..": are there real strategies for providing universal accessibility for the elderly. Panel summary in *CHI '02 Extended Abstracts on Human Factors in Computing Systems* (Minneapolis, Minnesota, USA, April 20 - 25, 2002). CHI '02. ACM, New York, NY, 694-695.

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Conference Presentations with Proceedings (non-refereed)

Mynatt, E.D. Transforming Graphical Interfaces into Auditory Interfaces for Blind Users.(1996). In *Contributions to Psychological Acoustics; Results of the Seventh Oldenburg Symposium on Psychological Acoustics*. July 1996. Oldenburg, Germany. 317-340.

MacIntyre, B. and Mynatt, E.D. 1998. Augmenting Intelligent Environments: Augmented Reality as an Interface to Intelligent Environments. At Intelligent Environments Symposium, AAAI Spring Symposium Series, Stanford University, Technical Report SS-98-02, March 23–25, 1998.

Rogers, W. A. and Mynatt, E. D. 2002. How can technology contribute to the quality of life of older adults? In E. Mitchell (Ed.), *Proceedings from the Conference on the Technology of Humanity* (April, 2002), Illinois Institute of Technology, Chicago, IL.

Conference Presentations without Proceedings

Mynatt, E.D. and Edwards, W.K. 1995. Audio GUIs: Interacting with Graphical Applications in an Auditory World, Interactive Experience, in the 1995 ACM Conference on Human Factors in Computing Systems (CHI'95) Conference Companion, Denver, CO., May 7-11, 1995.

Burgess, D. and Mynatt, E.D. "Three-D Interactive Percussion: The Virtual Drum Kit," Interactive Experience, in the 1994 ACM Conference on Human Factors in Computing Systems (CHI'94) Conference Companion, Boston, MA., April 24-28, 1994, 45-46.[CnP.12]

Arons, B. and Mynatt, E.D. "The Future of Speech and Audio in the Interface," Workshop, in the 1994 ACM Conference on Human Factors in Computing Systems (CHI'94) Conference Companion, Boston, MA., April 24-28, 1994, 465.

Conference Tutorials

Edwards, A., Edward, A.D.N. and Mynatt E.D., 1993. Enabling Technology for Users with Special Needs," Tutorial, in the 1993 ACM Conference on Human Factors in Computing Systems (CHI) Conference Companion. 1993.

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Refereed Workshop Papers

Mynatt, E.D. "Two Cases for Awareness: As Thread for Long-Term Collaboration and As Fodder for Forming Tacit Knowledge." Position paper at CHI'97 Workshop on Research Issues in Awareness, Atlanta, GA, March 22–27, 1997.

Mynatt, E.D. "Leveraging the Physical World and Peripheral Awareness in Ubicomp Systems." Position paper at CHI'97 Workshop on Research Issues in Ubiquitous Computing, Atlanta, GA, March 22–27, 1997.

Mynatt, E.D., "Learning from Seniors in Network Communities." Position paper at CHI '99 SeniorCHI Development Consortium, Pittsburgh, April, 1999.

Mynatt, E.D. "Co-Opting Everyday Objects." Position paper at CHI'00 Workshop on Research Directions in Situated Computing, The Hague, The Netherlands, April 2, 2000.

Mynatt, E.D. and Nguyen, D. "Making Ubiquitous Computing Visible." Long talk and position paper at CHI'01 Workshop on Building the Ubiquitous Computing User Experience, Seattle, April 2, 2001.

Terry, M. and Mynatt, E.D. Volda, A. and Mynatt, E.D. "Grounding Design in Values," Position paper at CHI'01 Workshop on Technology for Families, April 2002.

Volda, A. and Mynatt, E.D. "Grounding Design in Values," Position paper at CHI'02 Workshop on Technology for Families, April 2002.

Rowan, J. and Mynatt, E.D. "New Technologies for Families," Position paper at CHI'02 Workshop on Technology for Families, April 2002.

Tran, A. and Mynatt, E.D. "What Was I Cooking: Effects of Interruptions," Position paper at CHI'02 Workshop on Technology for Families, April 2002.

Stephen Volda, Elizabeth D. Mynatt, W. Keith Edwards (2005). "Toward Activity-Centered Sharing. Workshop on Computer Support for Human Activity, Ninth European Conference on Computer-Supported Cooperative Work. Paris, France. September 17, 2005, Jakob E. Bardram and Thomas P. Moran, organizers.

Posters

Volda, A., Mynatt, E.D., Erickson, T., & Kellogg, W.A. (2004). "The Meaning of Instant Messaging." Poster In the Companion Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2004; Chicago, Illinois).

Refereed Demonstrations

Burgess, D. and Mynatt, E. 1994. 3-D interactive percussion: the virtual drum kit. In Conference Companion on Human Factors in Computing Systems (Boston, Massachusetts, United States, April 24 - 28, 1994). C. Plaisant, Ed. CHI '94. ACM, New York, NY, 45-46.

Mynatt, E. D. and Edwards, W. K. 1995. Audio GUIs: Interacting with Graphical Applications in an Auditory World, Interactive Experience, ACM Conference on Computer-Human Interaction (CHI), Denver, CO, May 7-11, 1995.

Igarashi, T., Mynatt, E. D., Edwards, W. K., and LaMarca, A. 1999. Demonstrating flatland user interfaces. In *CHI '99 Extended Abstracts on Human Factors in Computing Systems* (Pittsburgh, Pennsylvania, May 15 - 20, 1999). CHI '99. ACM, New York, NY, 27-28.

Refereed Colloquia

Mynatt, E. D. 1995. Transforming graphical interfaces into auditory interfaces. Doctoral symposium in *Conference Companion on Human Factors in Computing Systems* (Denver, Colorado, United States, May 07 - 11, 1995). I. Katz, R. Mack, and L. Marks, Eds. CHI '95. ACM, New York, NY, 67-68.

F. Other

Invited lectures

Mynatt, E.D. , “Transforming Graphical User Interfaces into Auditory User Interfaces, “ Stanford CSLI, and Stanford Seminar on Human-Computer Interaction Project on People, Computers, and Design, May 26, 1995

Mynatt, E.D. “Investigating the Everyday Uses of Computing for the New Millennium,” invited presentation for the IBM Pervasive Computing Conference, T.J. Watson, Sept. 20-21, 2000.

Mynatt, E.D. “Living Laboratories for Ubiquitous Computing,” invited presentation for the IBM Eighth Annual New Paradigms for Using Computers (NPUC) Workshop, Almaden, July 27, 2000.

Mynatt, E.D., “Social Issues in Designing Everyday Computing,” invited presentation at the Building the Ubiquitous Computing Experience workshop at CHI 2001, April 2 2001.

Mynatt, E.D., “The Future of Intelligent Homes,” invited presentation for Warburg Pincus, October 3, 2001.

Mynatt, E.D., “How Homes Can Support Aging in Place,” invited presentation at the Aging Services Division at the Atlanta Regional Commission (yearly meeting), October 25, 2001.

Mynatt, E.D. “Human Computing: The Rewards of Computer Science in Everyday Life,” Invited lecture for the Computer Science Distinguished Lecture Series, Columbia University, March 7, 2007.

Mynatt, E.D. “Inventing the Digital Life,” Invited lecture for the Informatics Colloquium, Indiana University School of Informatics, September 7, 2007.

Mynatt, E.D. “Pervasive Technology for Chronic Disease Management,” invited presentation for the IBM Fifteenth Annual New Paradigms for Using Computers (NPUC) Workshop, Almaden, July 9, 2007.

Mynatt, E.D. “Pervasive Technology for Health and Wellness,” Invited lecture for the Computer Science Distinguished Lecture Series, Northeastern University, February 6, 2008.

Mynatt, E.D. “Changing the Face of Chronic Disease Management,” Invited lecture, Humana Innovations , June 9, 2008.

Mynatt, E.D. “Changing the Face of Chronic Health Management,” Invited lecture, Google, July 8, 2008.

Mynatt, E.D. “Pervasive Computing Approaches for Health and Wellness,” Invited lecture, Cornell University, September 11, 2008.

Professional Society Magazines

Arons, B. and Mynatt, E. 1994. The future of speech and audio in the interface: a CHI '94 workshop. SIGCHI Bull. 26, 4 (Oct. 1994), 44-48.

Hearst, M.A., Albers, M.C., Barrass, S., Brewster, S., and Mynatt, E.D. (1997) "Dissonance on Auditory Interfaces." *IEEE Expert Intelligent Systems and Their Applications*. 12 (5). 1997 Sept.-Oct. 10-16.

Terry, M. and Mynatt, E. D. 2002. Supporting experimentation with Side-Views. *Commun. ACM* 45, 10 (Oct. 2002), 106-108.

Mynatt, E.D. 2008. Unlocking Human Potential Through Technical Innovation" *In IEEE Computer Graphics and Applications* (March-April 2008). pp. 104, 100-103

Technical Reports

Elizabeth D. Mynatt and W. Keith Edwards (1992). The Mercator Environment: A Nonvisual Interface to X Windows and Unix Workstations, Graphics, Visualization, & Usability Center Technical Report GIT-GVU-92-05, Georgia Tech, February, 1992.

Elizabeth D. Mynatt and W. Keith Edwards (1992). New Metaphors for Nonvisual Interfaces, Graphics, Visualization, & Usability Center Technical Report GIT-GVU-92-28, Georgia Tech, 1992.

G. Research Proposals and Grants

Entries in bold represent grants from agencies external to Georgia Tech.

Approved and Funded

Awards in Support of Human-Centered Health and Wellness

Aging in Place

Elizabeth Mynatt

Broadband Telecommunications Center (BTC) Industrial Grant

\$60,000 for one year, beginning Summer 1999.

Aging in Place

Elizabeth Mynatt, Wendy Rogers, Jim Rowan

GVU Seed Grant Award

\$22,000 for one year, beginning Fall 1999.

Research to Support Aging in Place

Elizabeth Mynatt

GT Broadband Institute (BI) Industrial Grant

\$35,000 for one year, beginning Summer 2000.

The Aware Home: Sustaining the Quality of Life

G. Abowd, A. Bobick, I. Essa, E. Mynatt, and W. Rogers

NSF, ITR Program 2001

\$1,600,000 for 5 years.

Support for Everyday Memory in the Home

Elizabeth Mynatt

GT Broadband Institute (BI) Industrial Grant

\$40,000 for two years, beginning Fall 2003.

Future Healthcare
Elizabeth D. Mynatt
Funding from Siemens Research
\$130,000 for three years, 2004-2007

Technology to Enable Behavior-Based Individualized Medical Treatment
Open Collaboration in Healthcare: Pervasive Information
Collaborative Research Project with IBM
Mynatt and Abowd
\$143,000, August 2006 – July 2007.

Exploring the use of social media and mobile technologies for diabetes management
7TH Annual CDC/Georgia Technology Research Awards, \$100,000 for two years, 2007-2009
Mynatt (GT) and Mullins (CDC)

Individual approach to management of diabetes
Google Research Award, \$90,000 for two years, 2008-2009
Mynatt

Awards in Support of Computer-Supported Collaborative Work

Everyday Computing in the Office: SocialNet and Kimura
Elizabeth D. Mynatt
GVU Industrial Affiliates Program funding from MERL
\$25,000 for one year, beginning January 2001.

Augmenting the Periphery With Large-Scale Visual Displays
Elizabeth Mynatt, Blair MacIntyre, Greg Corso (Psychology)
NSF CISE/IIS/HCI program (Human Computer Interaction)
\$577,191 (with \$60,000 matching from Georgia Tech), over 3 years, beginning
Summer 2000.

NSF CAREER: Leveraging Personal Digital Appliances to Support Informal
Collaboration
Elizabeth Mynatt
NSF, CISE/IIS/CSS (Computation and Social Systems)
\$60K/year for 5 years plus \$30K matching from Georgia Tech, beginning Fall 2001.

The Use of Large Interactive Collaborative Displays for the MER Mission
Elizabeth Mynatt
NASA Ames
\$40,000, one year, Fall 2004.

Everyday Computing in the Office
Elizabeth D. Mynatt
GVU Industrial Affiliates Program funding from Sun Microsystems
\$180,000 for four years, beginning Fall 2002.

InSpace: CoDesign of the Physical and Digital
Steelcase \$110,000 gift, 2005 (Furst, Mynatt, Edwards, Grinter, Stasko)
Steelcase \$110,000 gift, 2006 (Mynatt, Edwards, Grinter, Stasko)
Steelcase \$110,000 contract, 2007 (Mynatt, Edwards, Stasko, Mazelak)
Steelcase, \$110,000 contract, 2008 (Mynatt, Edwards, Mazelak, MacIntyre)

Co-Principal Investigator with Edwards (PI) and Mazelak (Co-PI), NSF IIS Human-Centered Computing Medium-Scale Grant: "HCC: Physical and Digital Design for Fluid Collaboration." Three year award funded at \$898,955. Proposal awarded May, 2007. Award #0705569.

Awards in Support of Everyday and Ubiquitous Computing

Broadening Access: Research for Diverse Network Communities
Charlotte Linda (PI), Annette Adler, Mimi Ito, Elizabeth Mynatt, Vicki O'Day (co-PIs)
NSF Social, Behavioral and Economic Sciences Directorate
August 1997 - July 1998, \$200,000, Institute for Research on Learning and Xerox PARC

Augmenting the Capture and Understanding of Everyday Experiences
Gregory Abowd (PI), Atkeson, Essa, MacIntyre, Mynatt, Potts, Ramachandran, Ribarsky, Rugaber and Starner NSF CISE Infrastructure Grant
\$120,000 (with \$40,000 matching from Georgia Tech), 3 years starting January 1999.

Context-Aware Applications in the Home and in the Office
Elizabeth Mynatt and Daniel Salber
Sun Microsystems Academic Equipment Grant 7826-990218-US
\$98,710 as equipment

Everyday Computing in the AwareHome
Elizabeth D. Mynatt
GVU Industrial Affiliates Program funding from MERL
\$30,000 for one year, beginning January 2000.

Awards in Support of Assistive Technologies, Access to GUIs, and Audio Interfaces

Workstation Technologies for the Visually Impaired
Elizabeth Mynatt and John Goldthwaite (co-PIs), Mynatt, Project Manager
Georgia Institute of Technology, Interdisciplinary Programs Grant
January 1991 - June 1991, \$50,000

Low Cost Spatial Sound
Elizabeth Mynatt, Principal Investigator, Project Manager, Georgia Institute of Technology
SunSoft., April 1993 - March 1994, \$66,200

GTRC Fellowship Stipends
Elizabeth Mynatt, Georgia Institute of Technology
July 1993 - June 1994, \$13,716

Mercator: The Design and Implementation of an Auditory Interface to Sun Workstations and X Windows
Elizabeth Mynatt, Principal Investigator, Project Manager
Sun Microsystems Laboratories
April, 1992 - June, 1992, \$13,750, Georgia Institute of Technology
October 1992 - September 1993, \$83,076, Georgia Institute of Technology
October 1993 - September 1994, \$60,000, Georgia Institute of Technology

Investigate Motif for Accessibility

Elizabeth Mynatt, Principal Investigator, Project Manager

Sun Microsystems Laboratories

October 1994 - June 1995, \$60,000, Georgia Institute of Technology

Using the Lens Model to Assess Auditory Cues for Human-Machine Systems

Elizabeth Mynatt and Alex Kirlik (ISyE)

Graphics, Visualization and Usability Center Interdisciplinary Seed Grant

October 1994 - June 1995, \$15,000

The Mercator Project: A Nonvisual User Interface for Computer Workstations

Elizabeth Mynatt, Principal Investigator, Project Manager

NASA Marshall Space Flight Center

May, 1991 - April, 1992, \$40,000, Georgia Institute of Technology

April 1993 - October 1994, \$83,000, Georgia Institute of Technology

April 1995 - September 1995, \$50,000, Georgia Institute of Technology

Sonic X - Providing Access to Graphical Interfaces for People Who Are Blind

Elizabeth Mynatt, Principal Investigator, Project Manager

Georgia Research Alliance Universities, Advanced Technology Development Center

October 1994 - June 1995, \$20,000, Georgia Institute of Technology

Sonic X - Access to the X Window System for Blind Computer Users

Elizabeth Mynatt, Principal Investigator, Project Manager

U.S. Department of Defense

March 1995 - August 1995, \$99,728, Georgia Institute of Technology

Development of Aids for Cognitive Rehabilitation

John Goldthwaite, Elizabeth Mynatt, Jessica Paradise

GVU Seed grant

\$25,000 for one year, beginning Fall 2000.

Direct Brain-Computer Interfaces

Melody Moore (Georgia State), Elizabeth Mynatt, Phil Kennedy (Emory)

NSF Universal Access Program, CISE/IIS/HCI

\$154,144, over 1 year, beginning Summer 2000.

Human Computer Interaction for Direct Brain-Computer Interfaces

Melody Moore (Georgia State), Elizabeth Mynatt

NSF Universal Access Program, CISE/IIS/HCI

\$742,598, over 3 years, beginning Spring 2002.

Awards in Support of GVU Center Activities and External Computing Activities

GVU Industrial Partners Program

As Director of the GVU Research Center raised industrial grants (contracts and gifts) to support research activities in collaboration with GVU faculty across GT.

~\$ 625,000 July 1, 2005 – June 30, 2006

~\$1,500,000 July 1, 2006 – June 30, 2007

~\$2,000,000 July 1, 2007 – June 30, 2008. Does not reflect additional \$3.5M in pledged gifts.

Principal Investigator, NSF IIS Grant: “ACM Workshop: User Interface Software and Technology (UIST) Doctoral Research Symposium.”

NSF, \$23,028, 2006

NSF, \$18,000, 2007

NSF, \$20,000, 2008

H. Research Honors and Awards

Alfred P. Sloan Research Fellowship
\$40,000, beginning April 2001 (2 years)

IBM Faculty Partnership Award
\$80,000, beginning July 2001 (2 years)

SERVICE

A. Professional Activities

Memberships and Activities in Professional Societies

Association for Computing Machinery: SIGCHI, SIGCAPH

Adjunct Chair for Users with Special Needs, ACM SIGCHI Board, 2000

Conference and Program Chairships

Conference Chair, ICAD '97, The Fourth International Conference on Auditory Display

Conference Chair, UIST '98, ACM SIGCHI/SIGGRAPH Symposium on User Interface Software and Technology

Conference Chair, CHI 2010, ACM Conference on Human Factors in Computing Systems

Program Co-Chair, ASSETS '00 ACM/SIGCAPH Conference on Assistive Technologies

Program Chair, UIST '01 ACM SIGCHI / SIGGRAPH Symposium on User Interface Software and Technology

Program Co-Chair, Ubicomp 2004 International Conference on Ubiquitous Computing

Panels Chair, CHI 2009 ACM Conference on Human Factors in Computing Systems

Doctoral Symposium Chair, ACM UIST '08, UIST '07, ACM UIST '06 , ACM SIGCHI / SIGGRAPH Symposium on User Interface Software and Technology

Technotes Program Committee Chair, ACM UIST'97, ACM SIGCHI / SIGGRAPH Symposium on User Interface Software and Technology

Demos Program Committee Chair, ACM UIST'95, ACM SIGCHI / SIGGRAPH Symposium on User Interface Software and Technology

Conference Committee Activities

Papers Associate Chair, CHI 2003, CHI 2004, CHI 2006, CHI 2008 ACM Conference on Human Factors in Computing Systems

Conference Steering Committee, ICAD '96, The Third International Conference on Auditory Display

Program Committee, UIST '07, UIST '00, UIST '99, UIST '96, UIST'95, ACM SIGCHI / SIGGRAPH Symposium on User Interface Software and Technology

Program Committee, ASSETS '98, ASSETS'96, ASSETS '94 ACM/SIGCAPH Conference on Assistive Technologies

Program Committee, ICAD '96, ICAD'94, The International Conference on Auditory Displays

Program Committee, DIS 2002, ACM SIGCHI Conference on Designing Interactive Systems

Local Arrangements Chair, ICAD '96, The Third International Conference on Auditory Displays

Local Activities Chair, UIST'93, ACM SIGCHI/SIGGRAPH Symposium on User Interface Software and Technology

Doctoral Symposium Committee, ACM UIST '05, ACM UIST '04 , UIST '03, ACM SIGCHI / SIGGRAPH Symposium on User Interface Software and Technology

Paper Reviewer, SIGGRAPH, ACM Conference on Computer Graphics and Interactive Techniques

Paper Reviewer, ICAD, The International Conference on Auditory Displays

Paper Reviewer CHI, The ACM Conference on Human Factors in Computing Systems

Paper Reviewer UIST, The ACM SIGCHI / SIGGRAPH Symposium on User Interface Software and Technology

Workshops Organized

Arons, B. and Mynatt, E. 1994. The future of speech and audio in the interface. In Conference Companion on Human Factors in Computing Systems (Boston, Massachusetts, United States, April 24 - 28, 1994). C. Plaisant, Ed. CHI '94. ACM, New York, NY, 465.

Tullio, J., Begole, J. ", Horvitz, E., and Mynatt, E. D. 2004. Forecasting presence and availability. In CHI '04 Extended Abstracts on Human Factors in Computing Systems (Vienna, Austria, April 24 - 29, 2004). CHI '04. ACM, New York, NY, 1713-1714.

Mamykina, L., Bardram, J. E., Korhonen, I., Mynatt, E., and Pratt, W. 2004. HCI and homecare: connecting families and clinicians. In CHI '04 Extended Abstracts on Human Factors in Computing Systems (Vienna, Austria, April 24 - 29, 2004). CHI '04. ACM, New York, NY, 1715-1716.

B. On-Campus Georgia Tech Committees

- 2007–2008 Georgia Tech, Provost Task Force on Interdisciplinary Research
- 2007–2008 Georgia Tech, College of Architecture Dean Search Committee
- 2005–2006 College of Computing, Dean’s Executive Council
- 2001–2006 College of Computing, Graduate Committee
- 2003 College of Computing, Dean’s “Working Group,” Chair
- 2002–2003 College of Computing, Faculty Recruiting Committee
- 2000-2002 College of Computing, Dean’s Executive Committee (XCOM)
- 1999–2002 College of Computing, Dean’s Advisory Committee (elected position), Chair 2000-2001
- 1998–1999 College of Computing, Ph.D. Admissions Committee

C. Special Assignments at Georgia Tech

- Faculty Coordinator, Graduate Education, ICD, COC, 2004 - 2006
- Faculty Program Coordinator GT HCC Ph.D. Program, 2004 - 2006
- Faculty Program Coordinator GT HCI Masters degree program, 2000 - 2006

D. Boards

- Member, Motorola Visionary Board, 2005-present

E. Consulting and Advisory Appointments

- Consulting regarding home health technologies for Nortel Networks

F. Civic Activities

- Member, CRA’s Computing Community Consortium, 2007-2010.
- Subcommittee Chair, Defining Broadband, on the CISE National Research Council Committee on Broadband Last Mile, 1999-2001
- Subcommittee Chair, Access to Graphical Interfaces for the Visually-Impaired, Disability Access to X Committee (DACX), 1994-1995

G. Research Project Reviewer

- Frequent reviewer for the National Science Foundation, CISE programs.

NATIONAL AND INTERNATIONAL PROFESSIONAL RECOGNITION

A. Honors and Awards

Top Innovator in Technology Award, Atlanta Woman Magazine, 2005

Alfred P. Sloan Research Fellowship, 2001-2003

GT College of Computing “Dean’s Award”, 2003

Georgia Tech Packard Fellowship Nominee, 2001

GT College of Computing “Outstanding Junior Faculty Research” Award, 2001

Sigma Xi Doctoral Dissertation Award, Georgia Tech, 1996

B. US and International Patents Granted

- [P.1] United States Patent #6,150,540 *Zoomorphic Computer User Interfaces*. Fishkin, K., Goldberg, D., Gujar, A., Harrison, B., and Mynatt, E.D. Dec. 12, 2000.
- [P.2] United States Patent #6,608,549. *Virtual Interface for Configuring an Audio Augmentation System*. Elizabeth D. Mynatt, Maribeth Back, Roy Want, Jason Ellis, W. Keith Edwards, Maureen C. Stone. Filed July 31, 1998, granted August 19, 2003.
- [P.3] United States Patent #6,459,442. *System for Applying Application Behaviors to Freeform Data*. W. Keith Edwards, Elizabeth D. Mynatt, Anthony G. LaMarca, Takeo Igarashi. Filed December 1, 1999, granted October 1, 2002.
- [P.4] United States Patent #6,611,196. *System and Method for Providing Audio Augmentation of a Physical Environment*. Elizabeth D. Mynatt, Maribeth Back, Roy Want, Jason Ellis, W. Keith Edwards. Filed March 20, 1998, granted August 26, 2003.

C. Editorial and Reviewer Work for Technical Journals and Publishers

Associate Editor, ACM Transactions on Computer-Human Interaction (TOCHI), 2001 - 2005

Journal Reviewer, Transactions on Computer-Human Interaction (TOCHI), Association for Computing Machinery

Journal Referee, International Journal of Human-Computer Studies, Elsevier

Journal Reviewer, Journal of Computer-Supported Cooperative Work (JCSCW) Journal, Kluwer Academic Publishers, 1997-2006.