

AI CARING: Reflections on Creating Collaborative AI Partners-in-Care for Aging Adults

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Abstract: Many anticipate that AI will play a pivotal role in supporting the goals of older adults to “age in place” and sustain quality of life and independence. However, designing these technologies requires supporting the actions of older adults alongside their caregivers, spouses, adult children, and healthcare providers while being able to draw on a longitudinal understanding of routines, habits, norms, and values. In this talk, I reflect on the challenges incumbent in designing for informal care networks. These challenges include establishing trust, respecting privacy, retaining autonomy, recognizing diverse routines, and combatting disparities. While these challenges are significant, the benefits of designing for care networks are substantial and a multi-stakeholder approach has the greatest potential for long-lasting care. This work now grounds the “use inspired” research for the new NSF AI Institute for Collaborative Assistance and Responsive Interaction for Networked Groups (AI-CARING).

Biography: Dr. Elizabeth Mynatt is the Dean of Khoury College of Computer Sciences following a 23-year career at Georgia Institute of Technology where she most recently served as a Regents’ Professor Interactive Computing and executive director of the Institute of People and Technology.

Mynatt is an internationally recognized expert in the areas of ubiquitous computing, human-centered computing, health informatics, and assistive technologies. Currently she is co-PI for the NSF AI-CARING Institute and Emory University’s Cognitive Empowerment Program, both with the goal to create longitudinal, interactive AI technologies to empower older adults and their care networks.

In 2015 she became a [Fellow of the Association of Computing Machinery \(ACM\)](#) for contributions to human-centered computing and the development of health information technologies. She has been recognized as a member of the ACM [SIGCHI](#) Academy, and an AAAS, Sloan and Kavli research fellow. Mynatt has published more than 100 scientific papers, led grants from the NSF and NIH, and chaired the CHI 2010 conference, the premier international conference in human-computer interaction.