



Aqueasha Martin-Hammond

School of Informatics and Computing

Friday, March 3, 2017

2:00 pm

Geological Survey, GY-S201

Designing and Developing Interactive Technologies to Support Aging Well

Abstract: Interactive technologies create unique opportunities to address complex societal challenges that can affect how well we age. However, for older adults identifying technologies that are beneficial, accessible, and easy to use can be difficult. With the growth of technology to support personal health and wellness, it is important to continue to explore how we can motivate older adults' engagement with technology and also leverage technology to encourage and support older adults' active participation in their health.

In this talk, I will present recent research where we examine how personalized and persuasive technology can be designed to assist older adults with health tasks and support web accessibility. I will present our work exploring the role of adaptive systems for supporting web navigation for individuals such as older adults that experience temporary, gradual or intermittent changes in hand mobility. I will also present our continued work on designing personalized interfaces that assist older adults with personal health decisions.

Biography: Aqueasha Martin-Hammond is an Assistant Professor of Human-Computer Interaction in the School of Informatics and Computing at IUPUI. She earned a Ph.D. in Computer Science from Clemson University, an M.S. in Computer Science from the University of Alabama, Birmingham, and a B.S. in Computer Science from Tougaloo College. Her research focuses in the areas of Human-Computer Interaction, Health Informatics, and Accessibility. She investigates how to design and develop interactive technologies that support aging well, and motivate older adults' engaged and active participation in their health and with technology. In particular, her research examines how personalized interfaces can be used to support older adults' understanding of personal health information, motivate healthy behaviors among older adults, and encourage their interactions with technology.



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