Committee on Mobile Technology for Adaptive Aging: A Workshop

Shelia R. Cotten
Chair
Shelia R. Cotten is an MSU Foundation Professor in the Department of Media and Information at Michigan State University and the former Director of the Sparrow/MSU Center for Innovation and Research. She studies technology use across the life course and the health, social, educational, and workforce impacts of that use. She conducts large-scale community based intervention studies designed to use technology to enhance various aspects of quality of life. Dr. Cotten has studied the largest dissemination of One Laptop Per Child (OLPC) XO laptops in the United States. She recently finished a randomized controlled trial designed to enhance quality of life among older adults through the use of technology training. Her work has been funded by the National Institutes of Health and the National Science Foundation, among others. She is a past chair of the Communication and Information Technologies Section of the American Sociological Association (CITASA) and the 2013 recipient of the Public Sociology Award from the CITASA section of the American Sociological Association. Dr. Cotten enjoys teaching courses on the social impacts of technology, survey research, and research methods. Prior to joining MSU, Dr. Cotten was a professor in the Department of Sociology at the University of Alabama, Birmingham. She received a Ph.D. in sociology from North Carolina State University.

Judy R. Dubno
Member
Judy R. Dubno is a professor and director of the Hearing Research Program in the Department of Otolaryngology–Head and Neck Surgery at the Medical University of South Carolina in Charleston. Her research, which is supported by grants from the National Institutes of Health (NIH)/National Institute on Deafness and Other Communication Disorders (NIDCD), focuses on auditory perception and speech recognition in adverse listening conditions and how perception changes with age, hearing loss, hearing aids, and training. She previously served on the Advisory Council of the NIH/NIDCD, four Institute of Medicine/National Academies of Science consensus committees, and as president of the Association for Research in Otolaryngology and the Acoustical Society of America. She received the James Jerger Career Award for Research in Audiology and Honors of the Association from the American Speech-Language-Hearing Association. In 2018, she received the South Carolina Governor's Award for Excellence in Science. She received a Ph.D. in speech and hearing science from the City University of New York Graduate Center

Deepak Ganesan
Member
Deepak Ganesan is a professor in the Department of Computer Science at UMass Amherst. He has worked for over a decade at the intersection of wireless sensing for health, wireless and mobile sensing, and low-power embedded systems. He has extensive experience in the use of mobile health sensors including detection of behavioral targets such as drug use and smoking, understanding interactions between multiple behaviors through multi-modal sensing, prediction of future behavioral context, design of novel ultra-low power sensing devices. His current work includes the design of smart clothing that embeds everyday garments with textile-based sensors for elder care. He is a thrust lead for the NIH funded MD2K Center for Excellence on Mobile Sensor-to-Knowledge (http://md2k.org) and one of the founding members of the Center for Personal Health Monitoring at UMass Amherst, a $40 million center for new health devices. In addition to academic endeavors, he is a co-founder of Lumme Inc., which is commercializing some of his work on smoking detection and intervention. He received a B.S. in computer science and his Ph.D. in computer science from UCLA.

Dina Katabi
Member
Dina Katabi (NAE) is the Andrew & Erna Viterbi Professor of Electrical Engineering and Computer Science at the Massachusetts Institute of Technology (MIT). She is also the director of the MIT's Center for Wireless Networks and Mobile Computing, a member of the National Academy of Engineering and a recipient of the MacArthur Fellowship. Her research has been recognized by the ACM Prize in Computing, the ACM Grace Murray Hopper Award, the SIGCOMM Test-of-Time Award, the IEEE William R. Bennett prize, the Faculty Research Innovation Fellowship, a Sloan Fellowship and multiple best paper awards. Several startups have been spun out of her lab, such as PiCharging and Emerald. Dr. Katabi works on wireless systems for health-care monitoring. She received an M.S. and Ph.D. in computer science from MIT.