

Quality of Life Engineering

Presented by Professor Sumi Helal, University of Florida

About the seminar

Recent advances in mobile and wearable technology as well as the Internet of Things (IoT) provide a glimpse into our future and reveal exciting visions of smart homes, cities, workplaces, schools, hospitals, clinics, and much more.

As we begin to understand many of the complex interplays between technology, users, real-world applications, and theory, we can advance critical ecosystem enablers necessary for the anticipated disruptive transformations the “digital life” industry will have on many industries, especially healthcare, eldercare, transportation, consumer electronics, energy, and facilities and asset management.

Professor Sumi Helal will present his research and other synergetic activities in quality of life areas, and show how his approach relies on learning, understanding, and validating ecosystem elements through real-world deployments and interdisciplinary engagements. Specifically, Helal will present the Gator Tech Smart Home project — a real-life smart space for multidisciplinary research on successful aging, connected health, and independent living. He will share experiences and key lessons learned from conducting and engaging in interdisciplinary research.



Research Presentation and Vision Talk
Monday, November 7, 2016
12:15–2 pm
Brickyard Artisan Court (BYAC) 110

About Professor Sumi Helal

Professor, Department of Computer and Information Science and Engineering, University of Florida
Director, Mobile and Pervasive Computing Laboratory

Helal's active areas of research focus on pervasive and ubiquitous systems and their human-centric applications. He and his research team investigate middleware, programming models, and architectural issues to define and support the entire lifecycle of smart spaces including city-scale deployments. More recently, he and his students have been exploring architectural and ecosystem issues surrounding the emerging IoT. Specifically, he is pursuing novel programming models and ecosystem enablers for the IoT.

He is co-founder and director of the Gator Tech Smart House, a real-world deployment project that aims to identify key barriers and corresponding technological solutions to make the Smart Home concept commonplace. He has recently been awarded a Finland Distinguished Professorship - FiDiPro (2011-2014) during which he led major smart space research.

He is a Fellow of the IEEE and co-founder of the IEEE Pervasive Computing magazine where he has served on its editorial board since 2002. He currently serves as the Editor-in-Chief of IEEE Computer, the Computer Society's Flagship and premier publication. He founded or co-founded four startups and is inventor or co-inventor on nine published U.S. patents.