Brief Bio of Prof. Ravi Sankar

Dr. Ravi Sankar (sankar@usf.edu) is a Professor of Electrical Engineering at the University of South Florida, Tampa, Florida, USA. He leads the interdisciplinary Communications, Networking and Signal Processing (*i*CONS) research group (http://icons.eng.usf.edu) since 1985. He is also the supervisor of the communications and signal Processing graduate program track and member of the biomedical engineering program. He received the B.E. (Honors) degree in Electronics and Communication Engineering from the University of Madras, India, the M.Eng. degree in Electrical Engineering from Concordia University, Canada and the Ph.D. degree in Electrical Engineering from the Pennsylvania State University, USA.

Prof. Sankar's main research interests are in the areas of wireless communications, networking, and signal processing and its applications. His current focus is on the use of wearable sensors and technologies for advancing health care. He has published extensively in those areas with over 230 papers in journals and premier international conferences and several book chapters. His research has been cited widely as measured by h-index of 25 and i10-index of 61. *iCONS* research group under his leadership has conducted successfully numerous funded research projects over the years with the support from various federal and state agencies, and industries. Through the years, he has supervised 8 post-doctoral researchers, over 65 Ph.D. and M.S. students, and 21 B.S. senior capstone design projects.

Prof. Sankar was a Fulbright Fellow to Brazil conducting collaborative research on advanced wearable sensors for improving healthcare in 2015-16. He was a visiting research fellow of the Japanese Society for Promotion of Science (JSPS), nominated by the National Science Foundation (NSF), to Japan conducting collaborative research in 2000. He also held visiting positions at the University of Melbourne, Australia, in summer 2000, U.S. Air Force Research Lab (Rome Lab), Rome, NY, in summer 1997 and Motorola, Boynton Beach, FL, in summer 1991. He is a holder of USF Theodore and Venette Askounes-Ashford Distinguished Scholar award. He has received numerous other awards including *IEEE Florida Council Outstanding Engineering Educator* award in 1996 and the *Outstanding Contributions in Research* award from the American Society for Engineering Education (ASEE) in 1997.

Dr. Sankar was a *Distinguished Lecturer* for the IEEE Engineering in Medicine and Biology Society (EMBS) in 2014-16. He has delivered numerous (more than 50) plenary and keynote or invited lectures at international conferences and institutions over the years all over the world including Korea, Japan, Mexico, Brazil, and India.

He has served on the Editorial Board of several journals, including as Associate Editor of the *IEEE Communications Surveys and Tutorials* (2003-09), *Journal of Electrical and Computer Engineering*, *International Journal of Control, Automation, and Systems*, and guest editor for the *IEEE Transaction on Information Technology in Biomedicine*. He has served on the organizing committees, technical program committees, and as a session organizer and chair for many flagship IEEE conferences in the areas of communications and signal processing. He was the Organizer and Co-Chair of the *US-Korea Joint International Workshop* on *Global Wireless Sensor Networks* (GWSN), sponsored by NSF and KOSEF (Korea Science and Engineering Foundation) held in Korea, in 2009 and 2011. He was also the Organizer and Executive Program Chair of *The Ninth Annual Wireless Telecommunications Symposium (WTS)*, 2010. He has served the IEEE in various capacities such as the Founding Chair of the *Engineering in Medicine and Biology Society* (EMBS) chapter of the IEEE Florida West Coast section from 2007-11 and the Vice-Chair for the *IEEE Signal Processing Society* chapter in 1996. He has been a reviewer for several books, proposals, NSF panels, IEEE journals and conferences.