



Rangachary Mukundan (Mukund) is a technical staff member at the Materials Synthesis and Integrated Devices (MPA-11) group. He received his Ph.D. in Materials Science and Engineering from the University of Pennsylvania (Philadelphia) in February 1997. His thesis titled "Characterization of Mixed-Conducting Barium Cerate-Based Perovskites for Potential Fuel Cell Applications" was awarded the S. J. Stein Prize for superior achievement in the field of new or unique materials in electronics. His current research interests include fuel cells, electrochemical gas sensors, and energy storage devices. He is as a thrust area coordinator in the DOE consortium for Fuel Cell Performance and Durability (FC-PAD) and leads a Laboratory Directed Research and Development (LDRD) project to advance non-aqueous flow batteries for grid scale energy storage. He is the co-inventor on 6 US patents and has authored over 100 peer-reviewed journal and transaction papers. His work has also been recognized through numerous awards including an R&D 100 award in 1999, the Scientific American's top 50 Science and Technology achievements for 2003, the J.B Wagner Award of the High Temperature Materials Division of the Electrochemical Society in 2005 and the Sensor Division outstanding achievement award in 2016. He served on the Board of Directors of the Electrochemical Society from 2006-2008 as the sensor division chair and is currently a fellow of the society serving as the technical editor in the area of Sensors and Measurement Sciences for the ECS Journals.