



Dr. E. H. Yang is a full professor of the Mechanical Engineering Department at Stevens Institute of Technology. He received his Ph.D. degree from Ajou University, Korea, in 1996. After his postdoctoral training at the University of Tokyo and the California Institute of Technology (Caltech postdoc at JPL), he joined NASA's Jet Propulsion Laboratory (JPL), becoming a Senior Member of the Engineering Staff. At JPL, he received numerous awards, including the NASA ICB Space Act Award (2003, 2005), Bonus (Level B and C) Award (2001, 2003), many Class 1 NASA Tech Brief Awards (2001-2008), and the prestigious Lew Allen Award for Excellence (2003). Dr. Yang also received the Jess H. Davis Memorial Award for Research Excellence (2018) at Stevens and the IEEE Technical

Achievement Award (Advanced Career) from the IEEE Sensors Council (2020). Dr. Yang is a Fellow of the National Academy of Inventors. He is also a Fellow of the American Society of Mechanical Engineers.

Dr. Yang has led research in several distinct and exciting areas of MEMS, nanotechnology-based sensors (i.e., graphene photodetector, IOP pressure sensor, stretchable sensors based on carbon nanotubes), representing a significant advance in the engineering areas that involve sensors, functional and tunable surfaces. Dr. Yang has published over three hundred journal papers and conference proceedings. He has been honored with over a hundred keynote/invited talks at conferences, workshops, and university seminars. Dr. Yang was a featured Track Plenary Speaker at ASME International Mechanical Engineering Congress and Exposition (IMECE) in 2018. Dr. Yang has led several multi-PI proposal efforts, which has secured more than 35 federal grants and contracts, including 6 NSF grants, 3 AFOSR grants, 3 NRO contracts, 5 US Army contracts and 5 NASA contracts totaling ~\$10M. At JPL, Dr. Yang managed and monitored several NASA SBIR projects and participated in the review committee for developing NASA's Multi-Object Spectrometer for James Webb Space Telescope and managing or executing several research contracts funded by NASA, DARPA, and NRO.