

Prof. Sudipta Seal

Sudipta Seal, FASM, University Distinguished Professor and UCF Pegasus Professor, joined the Advanced Materials Processing and Analysis Center (AMPAC) and Mechanical Materials Aerospace Engineering at the University of Central Florida in Fall 1997 after a postdoctoral work at Lawrence Berkeley National Laboratory, University of California, Berkeley.

At UCF, he pioneered nanostructured cerium oxide and other metal/oxide platforms (micro to nano) and discovered its antioxidant properties and applied in various biomedical problems. He is also involved in plasma based large scale manufacturing of coatings and nano-energetics materials. He is funded by DOD, NSF, NIH, NIH, NASA, SBIR programs, and many industries.

At UCF, he served as Nano Initiative Coordinator for VP-Research. He is the Director of Nanoscience Technology Center (tenure unit) and Advanced Materials Processing Analysis Center and Professor, Interim Chair of Materials Science and Engineering and holds an appointment with College of Medicine. He oversees a large no staff, students and faculty in these academic units. He is the recipient of the 2002: Office of Naval Research Young Investigator Award (ONR-YIP), JSPS fellowship, Alexander Von Humboldt Fellow, ASM IIM Lecturer award, Royal Soc of Eng - Visiting Professor Distinguished Fellowship at Imperial College, UK, Academic Trail Blazor Award and Schwartz Tech award. He was elected to attend the Frontiers of Eng Symposium by National Academy of Engineering.

He is the recipient of Fellow of FASM, FAAAS, FAVS, FloN, FAIMBE, FNAI, FECS. He has won multiple teaching and research awards from UCF and was awarded the UCF Dean's Advisory Board: Faculty Award for Excellence. He has more than 350 journal papers, conference proceedings papers, book chapters, and three books on nanotechnology (including one on Nanoscience and Technology Education). He received his BTech-Hons from Indian Institute of Technology (KGP) in Metallurgy and Materials Eng, worked for TATA Steel India, MMet, University of Sheffield, UK, and Ph.D. from U Wisconsin (UWM). He is an active member of ASM Intl and served on many ASM committees. He has 60 issued patents (and many pending), and h index > 74 and his technology is responsible for various startups. He graduated more than fifty PhD, MS, postdoc/researchers and mentored many undergraduate students.