

Prof. Mansoo Choi, Seoul National University

Mansoo Choi is currently a Professor of Mechanical and Aerospace Engineering of Seoul National University and a Director of the Global Frontier Center for Multiscale Energy Systems. The Global Frontier Center for Multiscale Energy Systems aims to develop novel renewable energy systems based on multiscale architectures that can compete with conventional fossil fuel based systems. He received his B.S. (1980) and M.S. (1982) from Seoul National University and Ph.D. (1987) from University of California, Berkeley, all from mechanical engineering. After working as an engineer at Argonne National Laboratory until 1991, he returned to Korea to join in Seoul National University as a faculty.

His current research interests include aerosol synthesis & assembly of nanoparticles and nanoparticle based nanodevices. He has been a Co-Editor-in-Chief of Journal of Aerosol Science since 2004 and he is now serving as a Vice-President of International Aerosol Research Assembly. He invented IAAL (Ion-Assisted Aerosol Lithography) method which is a parallel process that can assemble nanoparticles in multiscales and multidimensions with nanoscale resolution at atmospheric condition.