

Personal Information

Full name	Jeon Geon Han		
Current position	Primary: Professor, School of Advanced Materials Science and Engineering Director, Excellency Center for Advanced Plasma Surface Technology Director, NU-SKKU Joint Institute for Plasma-Nano Materials Secondary: Adjunct professor, Chiang Mai University, Chiang Mai 50200, Thailand		
Organization	Sungkyunkwan University		
Country	Republic of Korea		

Short Biography

Jeon Geon Han is the director of the Excellency Center for Advanced Plasma Surface Technology (CAPST) and a Professor at the School of Advanced Materials Science and Engineering of the Sungkyunkwan University (SKKU) in South Korea.

He received his Ph.D. in Materials Engineering in 1985 from the Georgia Institute of Technology, U.S.A. In 1987, he was appointed an Assistant Professor, and later promoted to Associate professor in Department of Metallurgical Engineering, and subsequently, become a professor in the School of Advanced Materials Science and Engineering in the year 1996, at SKKU. His main interest has been based on the fundamental design and synthesis of next-generation multifunctional film materials, development of advanced plasma surface and film processes using novel plasmas, biomedical, and engineering applications of nanomaterials in the industry, development of novel plasma sources, studies on plasma discharges, development of plasma diagnostics especially for plasma processing, etc.

During 1985-1986, he was a Research Associate of the Georgia Institute of Technology. Since then he has worked on novel plasma deposition technology, focusing on the fundamentals of both plasma, as well as on the surface processes occurring in plasma processing of functional materials. He specializes in applying new advanced plasma sources and diagnostics for plasma species detection as well as in situ analysis and control of the physical and chemical properties of the materials processed. He has authored and co-authored over 300 papers in peer-reviewed international and national journals and is the co-inventor of > 60 patents.

He serves on numerous scientific and advisory committees of international conferences and presents more than 50 invited and scientific talks in various places across the world. He has been actively involved and consulted for several Industries and research organizations. He is a committee member of KVS, and Surface Technology Division of National Projects of Korean Government and has served as a President of Korea Institute of Surface Engineering in 2006-2008, as a Head of Institute of Industrial Vacuum Technology in 1998-2000, and as a Director of Korea-Germany Cooperation Project on Vacuum and Plasma Technology in 1999-2001. He has been serving as an executive committee member of surface engineering division, IUVSTA since 2010.

As an eminent expert in the advanced and applied field, he was the Editor in the special proceedings of international conferences to Surface Coatings and Technology and Thin Solid Films (1998, 2002, 2003). He has also served as a guest editor for the special issues of the AEPSE 2015 conference for the Journal Surface and Coatings technology. Also, he is an active reviewer of several Journal series but not limited to AIP, IOP, IEEE, RSC, and Elsevier.

He is also the recipient of Sungkyunkwan University's "Best Professor Fellowship", the "President award of Republic of Korea-2006", and "Honorary doctor-2015, Chiangmai University, Thailand".