Jin-Seong Park (Professor, Div. of Materials Science and Engineering, Hanyang Univ.)

Jin-Seong Park is a professor affiliated with the division of Material Science and Engineering at Hanyang University in Seoul, Korea. He received his B.S. and Ph.D. degrees in material science and engineering from Korea Advanced Institute of Science and Technology, Daejeon, Korea, in 1997 and 2002, respectively. He achieved pioneering research achievements in the field of emerging display materials & devices utilizing Atomic Layer Deposition (ALD), with a focus on Thin Film Encapsulation, Oxide Semiconductor Thin Film Transistor, and multifunctional thin film materials. Currently, his research has been focused on the atomic layer process (ALP) including ALD/ALE (atomic layer etch) and area selective ALD for emerging display/semiconductor applications. Novel semiconductor material and devices have been investigated with ALP, including n/p-type oxide TFTs, flexible/stretchable electronics, 3D DRAM and V-NAND. He has more than 280 authored SCI journal papers and 100 international patents. His academic contributions are recognized with over 22,000 citations and an h-index of 60 according to Scalar Google search. He is an associated editor for IEEE Transaction of Electron Devices and a committee of American Vacuum Society and International Atomic Layer Deposition Society. He has received many awards, including Merck Young Scientist Award (2014), the president award of Korea Planning & Evaluation Institute of Industrial Technology (2017), Merck Special Award (2021).the position of executive director within the Thin Film Division of the American Vacuum Society.