

Symposium III. Invited Speaker



JihongJohn Chen, Senior Scientist, MEMC, USA

Dr. Chen is a senior scientist with MEMC Electronic Materials since 2006. His research interests are directional solidification process development of large size Si ingot, crystal defect reduction, productivity improvement, materials and device interactions, solar PV applications. Prior to joining MEMC, Dr. Chen was a senior scientist with II-VI Inc from 2000 to 2006. His research was to develop silicon carbide single crystal wafer for power and RF electronics applications. His work contributed to the development of ultrahigh purity polycrystalline SiC materials, semi-insulating SiC single crystal, boule diameter expansion, micropipe reduction, epi-ready wafer polishing. Prior to joining II-VI, Dr. Chen was a post doctoral fellow at the University of Cincinnati, conducting research in SiC and GaN crystal growth and characterization. Dr. Chen has 7 patents in SiC and Si crystal growth.

Dr. Chen received BS in Quantum Electronics from Beijing University in 1988, Ph.D in Physical Chemistry from University of Missouri Columbia in 1996, MBA from University of Cincinnati in 1999.