

Symposium III Member



Dr. John Chen
Sr. Scientist
MEMC, USA

EDUCATION

Ph.D. Chemistry, University of Missouri-Columbia, Columbia, MO 1996
B.S. Quantum Electronics. Beijing University, Beijing, China 1988

PROFESSIONAL EXPERIENCE

Senior Research Scientist *MEMC Electronic Materials, Inc.* St. Peters, MO 2006 -
Research interests: directional solidification of Si ingot for mono like efficiency with low cost and high volume; interactions between Si melt and crucible coating; interactions between Si materials and wafer processing; interactions between Si materials and cell processing.

Senior Research Scientist *II-VI Inc.* Saxonburg, PA 2000 – 2006
Research interests: sublimation growth of SiC single crystal of low micropipe density, large diameter; semi-insulating as well as highly conductive SiC crystals; high purity SiC polycrystalline materials; SiC wafer polishing.

Post-Doctoral Fellow *Nanolab, University of Cincinnati* 1996 – 2000
Research interests: MOCVD and MBE growth of SiC and GaN thin film crystals; electro-opto properties of wide band gap materials. Interactions between materials and devices.

PUBLICATIONS

More than 20 authored and co-authored publications; 1 patent granted, 5 patents pending.