

Conference Keynote Speaker



Dr. Milind Kulkarni
MEMC Electronic Materials, USA

Dr. Milind Kulkarni is currently working for MEMC's Solar Materials business unit as a CTO. Directing research in solar silicon processing, from polysilicon production, crystal growth, and wafering to cells and modules production. Also directing quantitative research in entire solar value chain and semiconductor silicon. Before that, he worked for MEMC's Electronic Materials as a Vice President, directed global research on polysilicon production and quantitative research on semiconductor and solar wafer manufacturing. The polysilicon research addressed all areas of polysilicon production, from silane and chlorosilane manufacture and purification to the manufacture of polysilicon in both Fluidized Bed Reactors and Siemens Reactors. The responsibility included directing research for the development of new processes and plants, and continuous improvement of the existing processes.

Dr. Milind Kulkarni received his Ph.D. in Chemical Engineering from Washington University in St. Louis. He got excellent academic record. Perfect cumulative GPA (4.00/4.00), and 5 journal publications, one of which won the paper of the month award of the AIChE Journal.

Milind Kulkarni 博士现任 MEMC 太阳能材料事业部首席技术官一职。领导开展太阳能用硅材料制造研究，涉及多晶硅提纯、晶体生长以及切片制程。此外还领导开展整个光伏产业链及半导体硅材料的用量分析。在此之前，他担任 MEMC 电子材料事业部任副总裁一职，领导多晶硅材料制造研究，以及半导体及光伏用硅片的用量分析。多晶硅材料制造研究涉及多晶硅生产的所有领域，包括硅烷、氯硅烷的制造和提纯，以及用流化床法和西门子法制造多晶硅的过程。用于指导新工艺流程的研究开发，并持续改进现有流程。

Milind Kulkarni 博士以优异的成绩毕业于圣路易斯华盛顿大学，获得化学工程博士学位。发表了 5 篇专业论文，其中之一获得了美国化学工程师学会月度奖。