

Brief Biosketch for Steven M. George

Prof. Steven M. George is Professor in the Dept. of Chemistry and Biochemistry and Dept. of Mechanical Engineering at the University of Colorado at Boulder. Dr. George received his B.S. in Chemistry from Yale University (1977) and his Ph.D. in Chemistry from the University of California at Berkeley (1983). Dr. George has more than 400 publications in the areas of thin film growth and etching, surface science, and physical chemistry. In addition, he currently has 16 issued U.S. or PCT patents and 12 U.S. or PCT patent applications undergoing review. Dr. George's research interests are in the areas of surface chemistry, thin film growth and etching and nanostructure engineering. He is directing a research effort focusing on atomic layer deposition (ALD), atomic layer etching (ALE) and molecular layer deposition (MLD). This research is examining new surface chemistry, measuring thin film growth and etching rates, characterizing the properties of films and developing new reactors for ALD, ALE and MLD. Dr. George chaired the first Topical Conference on Atomic Layer Deposition (ALD2001) in May 2001. He has been on the Conference Committees of all subsequent ALD meetings. Dr. George teaches a one-day short course on ALD for the American Vacuum Society (AVS). He also was President of AVS (2014). Dr. George has received a number of awards including the ALD Innovation Award from the AVS International Conference on Atomic Layer Deposition (2013) and an R&D 100 Award for *Particle-ALD*TM (2004). Dr. George is a Fellow of the AVS (2000) and the APS (1997). He is also a co-founder of ALD NanoSolutions, Inc., a company that is working to commercialize ALD technology.