



JOCHEN LAUTERBACH **University of South Carolina**

Jochen Lauterbach is a professor of chemical engineering in the College of Engineering and Computing at the University of South Carolina. His research interests are in the area of heterogeneous catalysis and nanoparticle synthesis as applied to environmental processes and hydrogen generation for fuel cells. He is also director of the South Carolina Center of Economic Excellence (the Center) in Strategic Approaches to the Generation of Electricity (SAGE). Coal will remain an important factor in affordable electricity production in the foreseeable future. The Center focuses on novel materials for three key problems with coal power plant emissions: CO₂ capture and utilization, mercury removal from flue gas, and analysis of coal before combustion. Research in the Center also includes other alternatives to the traditional coal power plant, such as fuel cell technology coupled with coal combustion, co-firing of biomass, etc. Jochen received a 5 year Diploma in physics from the University of Bayreuth (Bayreuth, Germany); a Dr. rer. nat. in chemistry from the Free University of Berlin and Fritz-Haber-Institute (Berlin, Germany); and completed post-doctoral work in chemical engineering from the University of California, Santa Barbara.