

Invited Speaker

Michael S. Wong

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Michael S. Wong is Associate Professor at the Department of Chemical and Biomolecular Engineering and the Department of Chemistry, at Rice University, USA. He received his B.S. from California Institute of Technology (Caltech), USA (1994), M.S. (1997) and Ph.D. (2000) from the Massachusetts Institute of Technology (MIT), USA all in Chemical Engineering. He did his postdoctoral fellowship with Professor Galen D. Stucky at the Department of Chemistry and Biochemistry at the University of California, Santa Barbara, USA before joining Rice in 2001. His research program lies at the interface of Chemical Engineering, Chemistry, and Materials Science, and is centered around the concept of engineered nanoparticles. His team of postdoctoral fellows, graduate students and undergraduates generally seeks to design and synthesize nanoparticle-based materials that address current engineering problems in environment, energy and medicine; to develop new chemical techniques to achieve these materials; and to deepen the understanding of underlying fundamental processes at the molecular level. For example, his group has designed new nanocatalysts to treat water contaminated with chlorinated compounds, which may serve as a new approach for groundwater treatment. His group has also developed a self-assembly synthesis route to materials with biomedically relevant encapsulation and delivery properties. Among other recognitions, he received the MIT "TR35" Young Innovator Award, a Young Innovator Award in the Arts and Sciences by the Smithsonian Magazine, and the Nanoscale Science and Engineering Forum Young Investigator Award from the American Institute of Chemical Engineers (AIChE). He is Chair of the AIChE Nanoscale Science and Engineering Forum. He is also Chair of the Southwest Catalysis Society and serves on the Editorial Advisory Board for *Chemistry of Materials* and is an Associate Editor for the *Journal of Nanomaterials*.