

**Speaker Biosketches**  
**National Diversity Equity Workshop (NDEW) 2013**

**Rigoberto Hernandez**

*OXIDE Director and Professor, School of Chemistry and Biochemistry  
Georgia Institute of Technology*

Dr. Rigoberto Hernandez is a Professor in the School of Chemistry and Biochemistry at the Georgia Institute of Technology and a co-director of the Center for Computational Molecular Science and Technology. He holds a B.S.E. in Chemical Engineering and Mathematics from Princeton University and a Ph.D. in Chemistry from the University of California, Berkeley. He is the recipient of a National Science Foundation (NSF) CAREER Award (1997), Research Corporation Cottrell Scholar Award (1999), and the Alfred P. Sloan Fellow Award (2000). He is a Fellow of the American Association of Arts and Science (AAAS, 2004), the American Chemical Society (ACS, 2010), and the American Physical Society (APS, 2011).

His research area can be broadly classified as the theoretical and computational chemistry of systems far from equilibrium. This includes a focus on microscopic reaction dynamics and their effects on macroscopic chemical reaction rates in arbitrary solvent environments. His current projects involve questions pertaining to the chemical reaction dynamics of thermosetting polymers and living polymers, the diffusion of mesogens in colloidal suspensions and liquid crystals, the transport and control of adsorbates on a surface, the binding dynamics of proteins, the structure and transport in gas-expanded liquids and the dynamics of protein folding and rearrangement. Dr. Hernandez's research programs are currently funded by the NSF, AFOSR, and the Kimberly Clark Corp.