



**SEMINARS IN
CHEMICAL AND BIOMOLECULAR ENGINEERING**

Wednesday, May 18, 2016 2:00PM

Rice Room → BH6764



Presented by

Dr. Eric A. Rohlfing

Deputy Director for Technology,
Advanced Research
Projects Agency - Energy
(ARPA-E)

Hosted By:

Prof. James Liao

***“An Overview of the Advanced Research Projects
Agency – Energy (ARPA-E)”***

The Advanced Research Projects Agency-Energy (ARPA-E) advances high-potential, high-impact energy technologies that are too early for private-sector investment and have the potential to radically improve U.S. economic prosperity, national security, and environmental well-being. The agency funds technology-focused, applied research and development aimed at creating real-world solutions to important problems in energy creation, distribution, and use. This presentation is an opportunity to learn about ARPA-E, its programs and projects, and how it solicits and manages research awards to advance potentially disruptive energy technologies.



Dr. Eric Rohlfing is the Deputy Director for Technology of the Advanced Research Projects Agency-Energy (ARPA-E), responsible for oversight of all technology issues relating to ARPA-E's programs.

Dr. Rohlfing joins ARPA-E from the Department of Energy's Office of Science, where he most recently served as Director of the Chemical Sciences, Geosciences, and Biosciences Division in the Office of Basic Energy Sciences (BES). As Director, Dr. Rohlfing provided leadership and direction in establishing vision, strategic plans, goals, and objectives for the research activities supported by the Division. He joined BES in 1997 and later served as program manager for the Atomic, Molecular and Optical Sciences program (2000-2003) and team leader for Fundamental Interactions (2003-2006) before becoming Director.

Dr. Rohlfing held postdoctoral appointments at Exxon Research and Engineering Company and Los Alamos National Laboratory before joining the staff at the Combustion Research Facility at Sandia National Laboratories in 1986. His research interests include the experimental characterization of transient molecules relevant to combustion processes, linear and nonlinear laser spectroscopies, trace detection of pollutants, molecular beam and mass spectrometric studies of carbon and metal clusters, and vibrational relaxation dynamics. He is the author of approximately 50 peer-reviewed articles, holds membership in the American Chemical Society and the American Physical Society, and is a fellow of the American Association for the Advancement of Science. Dr. Rohlfing received a B.S. degree in chemistry from the University of Virginia in 1977 and a Ph.D. in physical chemistry from Princeton University in 1982.