

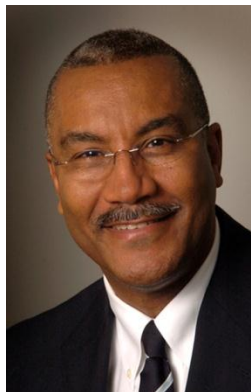
Plenary Speakers

Monday, July 30, 2012

Dr. Joseph Francisco

8:15 AM – 9:15 AM Eisenhower Auditorium

Chemistry in a Global Economy - An Education Agenda



Societal and financial needs are pushing U.S. chemical enterprises to go global. As a result, the skill sets sought by companies are changing. Recruits that have experiences that allow them to work across different cultures have a distinct advantage. Recruits with international experience are being snapped up at a fast rate. The bottom line, global skills are important in getting the job, keeping the job, and getting ahead in the job. This talk will focus on what we can do to better prepare those in the chemical enterprise for competition in the global marketplace.

Joseph S. Francisco completed his undergraduate studies in Chemistry at the University of Texas at Austin with honors, and he received his Ph.D. in Chemical Physics at the Massachusetts Institute of Technology. Francisco was a Research Fellow at Cambridge University in England, and following that he returned to MIT as a Provost Postdoctoral Fellow. In 1991 he was a Visiting Associate in Planetary Science at California Institute of Technology. He accepted an appointment as Professor of Chemistry and Earth & Atmospheric Sciences at Purdue University. In 2006 Francisco was appointed as the William E. Moore Distinguished Professor of Earth and Atmospheric Science and Chemistry at Purdue University. Francisco has received a National Science Foundation Presidential Young Investigator Award, an Alfred P. Sloan Fellowship, and a Camille and Henry Dreyfus Foundation Teacher-Scholar Award. He received an American Association for the Advancement of Science Mentor Award in 1994. He was a recipient of a John Simon Guggenheim Fellowship, which he spent at the Jet Propulsion Laboratory at the California Institute of Technology. He was elected a Fellow of the American Physical Society and a Fellow of the American Association for the Advancement of Science. He was recently awarded an Alexander von Humboldt U.S. Senior Scientist Award by the German government, as well as being appointed a Senior Visiting Fellow at the Institute of Advanced Studies at the University of Bologna, Italy. He was Professeur Invite at the Universite de Paris-Est, France; a Visiting Professor at Uppsala Universitet, Sweden; and an honorary life member of the Israel Chemical Society. He is a co-author of the textbook *Chemical Kinetics and Dynamics*, published by Prentice-Hall. He served as President of the American Chemical Society for 2010.