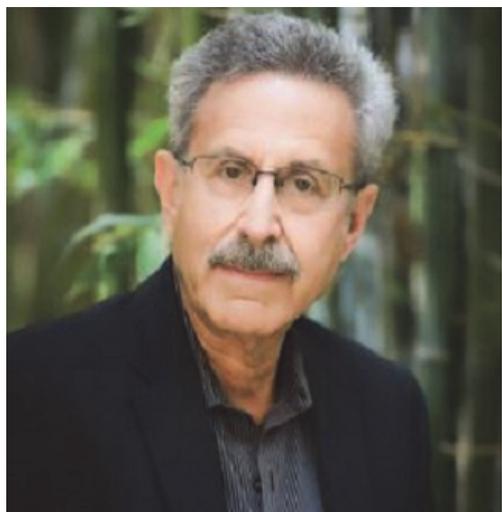




Department of Chemistry 2017-18 Seymour Rothchild Lecture



Presents

Professor Edward I. Solomon

Department of Chemistry
Stanford University

“Activating Metal Sites for
Biological Electron Transfer”

Monday, November 13th, 4:00 p.m.
473 Hutchison Hall

**Welcome Reception 5:15 pm,
1st Floor Lounge area, Hutchison Hall**

Edward I. Solomon grew up in North Miami Beach, Florida, received his Ph.D. at Princeton (1972) and was a postdoctoral fellow at The Ørsted Institute in Denmark and at Caltech. He started his career at MIT in late 1975, became a full professor in 1981, and joined the faculty at Stanford in 1982 where he is now the Monroe E. Spaght Professor of Humanities and Sciences and Professor of Photon Science at SLAC National Accelerator Laboratory. He has been a visiting professor in France, Argentina, Japan, China, India, Australia and Brazil. He has received ACS National Awards in Inorganic Chemistry, Distinguished Service in the Advancement of Inorganic Chemistry, the Alfred Bader Award in Bioinorganic or Bioorganic Chemistry, the Ira Remsen Award, and the Kosolapoff Award, the Pittsburgh Spectroscopy Award from Pittcon, the Centenary Medal from the Royal Society of Chemistry (UK), the Wheland Medal from the University of Chicago, the Bailar Medal from the University of Illinois, the Frontiers in Biological Chemistry Award from the Max-Planck-Institute (Mülheim), the Chakravorty Award from the Chemical Research Society of India and the Dean’s Award for Distinguished Teaching at Stanford among others. He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences and a Fellow of the American Association for the Advancement of Science and of the American Chemical Society.

Professor Solomon’s research is in the fields of Physical-Inorganic, Bioinorganic, and Theoretical-Inorganic Chemistry. His focus is on spectroscopic elucidation of the electronic structure of transition metal complexes and its contribution to reactivity. He has developed new spectroscopic and electronic structure methods and applied these to active sites in catalysis. He has made significant contributions to our understanding of metal sites involved in electron transfer, in copper sites involved in O₂ binding, activation and reduction to water, in structure/function correlations over non-heme iron enzymes, and in extending concepts from biological to heterogeneous catalysis.

Host: Stephanie Carpenter, Hutchison Hall B31, (585) 276-1209, scarpen7@ur.rochester.edu