Steven Bernasek

Professor of Chemistry
Ph.D., University of California, Berkeley, 1975

Research Interests

The application of gas phase molecular reaction dynamics tools to the study of heterogeneous reactions has been the major focus of Dr. Bernasek's research. He has contributed to our understanding of surface structural analysis, to the study of transition metal compound surfaces, to the dynamics of small molecule surface reactions on iron, molybdenum, and platinum, and to the investigation of energy transfer in surface reactions. Catalysis of pollution mitigation, new energy technologies, and the role of surfaces in environmental processes are important aspects of his research. Bernasek is a Fellow of the AAAS and a Fellow of the AVS, and has received the American Chemical Society's Arthur W. Adamson Award for Distinguished Service in the Advancement of Surface Chemistry.

Areas of Expertise

Energy Technology, Pollution Mitigation

Contact Information

13B Frick Lab
Tel 609-258-4986
Fax 609-258-1593
sberna@princeton.edu

Website: http://www.princeton.edu/~surfsci/home.html