

**S. TED OYAMA**  
Department of Chemical Engineering  
Virginia Polytechnic Institute and State University  
Blacksburg, Virginia 24061-0211  
(tel. 540-231-5309, email oyama@vt.edu)



**Current Position** Fred W. Bull Professor of Chemical Engineering and  
Professor of Chemistry, *by courtesy*, Virginia Polytechnic Institute

**Birth** February 16, 1955. Tokyo, Japan.

### Education

1972-1976 **Yale University**, New Haven, CT  
B.S. Chemistry, B.S. Engineering & Applied Science (Double major)  
1976-1981 **Stanford University**, Stanford, CA  
M.S, Ph.D. Chemical Engineering  
Thesis: Ammonia Synthesis and Decomposition on Molybdenum Alloys  
*Advisor: Professor Michel Boudart*

### Experience

5/80-9/80 **University of Tokyo**, Visiting Research Student  
*Advisor: Professor Kenzi Tamaru*  
6/81-8/86 **Catalytica Associates, Inc.**, Research Engineer/Project Leader  
9/86-6/88 **University of California, Berkeley**, Visiting Scholar  
*Advisor: Professor Gabor Somorjai*  
7/88-6/93 **Clarkson University**, Associate Professor  
7/93-4/96 **Virginia Polytechnic Institute**, Associate Professor  
4/96-8/99 **Virginia Polytechnic Institute**, Professor  
9/99-Pres **Virginia Polytechnic Institute**, Fred W. Bull Professor

### Fields of Research

Reactivity of Surfaces; Catalysis; Surface Science; Kinetics; Solid State Chemistry;  
Design, Synthesis and Characterization of Advanced Materials, Oxides and Ceramics.

### Professional

Member: American Association for the Advancement of Science, American Chemical Society, Chemical Society of Japan, American Institute of Chemical Engineers, IUPAC, Sigma Chi, Tau Beta Pi  
Editorial Board: J. of Natural Gas Chemistry, J. of Catalysis, Emirates J. of Engineering  
Editor: J. Catalysis  
Chairman, ACS Northern New York Section, 1990-1993  
Program Committee, ACS Petroleum Division, 1991-present  
Coordinator, NSF USA/Brazil University Exchange Program, 1992-2000  
Visiting Professor, Univ. Rio de Janeiro, 1992, Univ. P. & M. Curie, Paris, 1995, Univ. L. Pasteur, 1996; Univ. Tokyo, 1997, Tokyo Inst. Technol., 1999, Institute for Adv. Industrial Science and Technology, Japan, 2002-present  
Professor of the Year, Omega Chi Epsilon, 1993, 1995  
Chairman, Gordon Conference on Hydrocarbon Resources, 1994  
Japan Society for the Promotion of Science Fellowship, 2007  
Dean's Award for Excellence in Research 1997, 2003  
Edited Books: 5    Authored Book: 1

**Refereed Publications** > 170, **Invited Lectures at Universities and Industries** > 320