2006 WILLIAM G. LOWRIE LECTURE

Dr. Alice P. Gast

Department of Chemical Engineering
Massachusetts Institute of Technology

LECTURE I, Proteins and Enzymes at Membrane Interfaces
11:30, April 27, 2006 – Room 207, Koffolt Lab

LECTURE II, Chemical Engineering: Evolution and Innovation
11:30, April 28, 2004 – Room 330, Koffolt Lab

The Ohio State University
Department of Chemical and Biomolecular Engineering
140 W. 19th Avenue
Columbus, Ohio
Alice P. Gast is the Robert T. Haslam Professor of Chemical Engineering and the Vice President for Research and Associate Provost at Massachusetts Institute of Technology. Prior to moving to MIT in 2001, she spent sixteen years as a professor of chemical engineering at Stanford University and at the Stanford Synchrotron Radiation Laboratory. In her research she studies surface and interfacial phenomena, in particular the behavior of complex fluids. Some of her areas of research include colloidal aggregation and ordering, protein lipid interactions and enzymes reactions at surfaces. In 1997 she co-authored the sixth edition of “Physical Chemistry of Surfaces” with Arthur Adamson.

Professor Gast received her BS in Chemical Engineering from the University of Southern California. After earning her Ph.D. in Chemical Engineering from Princeton University, Gast spent a postdoctoral year on a NATO fellowship at the École Supérieure de Physique et de Chimie Industrielles in Paris. She returned there for a sabbatical as a Guggenheim Fellow. She was a 1999 Alexander von Humboldt Fellow at the Technical University in Garching, Germany. She received the National Academy of Sciences Award for Initiative in Research, and the Colburn Award of the American Institute of Chemical Engineers. She was elected to the National Academy of Engineering in 2001 and to the American Academy of Arts and Sciences in 2002. She has served on numerous advisory committees including the NRC Board on Chemical Science and Technology, Board of Directors of the American Association for the Advancement of Science, and the Homeland Security Science and Technology Advisory Committee.

Lowrie Lectureship Honors Banquet

6:00-6:30  Reception/Poster Session
6:30      Welcome - Dr. Stuart L. Cooper, Chair
6:40      Buffet Dinner

AWARDS PROGRAM

LOWRIE LECTURESHP AWARD
Introduction:  Stuart Cooper
Presenter: William G. Lowrie
Awardee: Dr. Alice P. Gast

AMERICAN INSTITUTE OF CHEMISTS FOUNDATION AWARDS
AIC Outstanding Undergraduate Student Award
Awardee: Laura Kunes
AIC Outstanding Graduate Student Award
Awardee: Robin Ng
AIC Outstanding Postdoctoral Award
Awardee: Alissa Park

RECOGNITION OF IMOGEN PRYCE
Goldwater Scholarship
NSF Graduate Fellowship Award

DOW CHEMICAL
Dow Outstanding Junior Award
Awardee: Christopher Anderson

AICHe STUDENT AWARD
AICHe Central Ohio Section Outstanding Student Award
Awardee: Liz Curry

Donald F. Othmer AICHe Sophomore Academic Excellence Award
Awardee: Ryan Lance
DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING AWARDS

Co-Op Award
Awardee: Duane Gotro

Outstanding Undergraduate Award for Research Excellence
Awardee: Ray Kim
Awardee: Michael Noon
Awardee: Diana Snelling
Awardee: Theresa Vander Haar
Awardee: Eugenia Wang

Outstanding Graduate Award for Academic Achievement
Awardee: Yunling Bai
Awardee: Wu Ge
Awardee: Jin Huang
Awardee: Anli Ouyang
Awardee: Matt Woods
Awardee: Matt Yung
Awardee: Lingzhi Zhang

CEGC Officers
An Zhang - Facilities Officer; Dan Heath - Academic Officer;
Jeff Ellis - Social Officer; Lingzhi Zhang - Business Officer;
Orin Hemminger - Recruitment Officer

CLOSING REMARKS - Professor Stuart L. Cooper
The William G. Lowrie Lectureship was established in the Department of Chemical Engineering at The Ohio State University on October 1, 1995, to honor William G. Lowrie, a distinguished alumnus. The lectureship is awarded once each year to an individual who has made outstanding contributions to fundamental or applied research in the field of chemical engineering.

-1998 Lecturer-
   James Wei
   Princeton University

-1999 Lecturer-
   Judson King
   University of California, Berkeley

-2000 Lecturer-
   Robert Langer
   MIT

-2001 Lecturer-
   Roy Jackson
   Princeton University

-2002 Lecturer-
   Alexis T. Bell
   University of California, Berkeley

-2004 Lecturer-
   John H. Seinfeld
   California Institute of Technology

-2005 Lecturer-
   Charles A. Eckert
   Georgia Institute of Technology