

THE UNIVERSITY OF IOWA
COLLEGE OF ENGINEERING
2005-2006 LECTURES COMMITTEE REPORT
May 9, 2006

Lectures Committee: David Wilder, associate professor of biomedical engineering, chair; Fred Streicher, College of Engineering director of marketing and communications, ex-officio member

Caterpillar Colloquium Series

The Caterpillar Foundation, Peoria, IL, generously provided financial support of the Caterpillar Colloquium Series in time for the 2005-2006 Academic Year. Each of the six undergraduate programs was provided equal funding. Lectures held include:

- John M. Tarbell, CUNY and Wallace Coulter Distinguished Professor and Chairman of the Department of Biomedical Engineering, The City College of New York, presented October 20, 2005, on “Mechanical Forces Meet the Arterial Wall: Small flows Have Large Effects.”
- David T. Allen, Melvin H. Gertz Regents Chair in Chemical Engineering and researcher at the Center for Energy and Environmental Resources, University of Texas at Austin, presented October 27, 2005, on “The Texas Air Quality Study: State of the Science of Air Quality in Texas and Implications for Air Quality Policy.”
- Gerald Galloway, University of Maryland research professor; Glenn L. Martin Institute Professor of Engineering; and affiliate professor, School of Public Policy, presented April 27, 2006, on “In Search of National Water Policy: Learning from Katrina, Dry Canals, and Pallid Sturgeon.”
- Dr. Danny Z. Chen, Department of Computer Science and Engineering, University of Notre Dame, presented April 27, 2006, on “Field Splitting Problems in Intensity-Modulated Radiation Therapy.”

Industrial Engineering and Mechanical Engineering will use their 2005-2006 Caterpillar Foundation allocations for speakers during Fall 2006 Semester.

Iowa Distinguished Faculty Lectures in Engineering

This exchange program enables faculty research award recipients from both Colleges of Engineering at the UI and ISU to visit Ames and Iowa City to enhance collaboration and share knowledge with undergraduate students and faculty. The 2005-2006 recipients of research awards were:

- Iowa State University
Vikram L. Dalal, professor of electrical and computer engineering, director of the Microelectronics Research Center, and the 2005 David R. Boylan Eminent Faculty Award for Research at Iowa State University, presented March 2, 2006, at The University of Iowa.
- The University of Iowa
Jasbir Arora, F. Wendell Miller Distinguished Professor of Engineering, professor of civil and environmental engineering, and researcher at the UI Center for Computer Aided Design, presented the Iowa Distinguished Faculty Lecture in Engineering Seminar April 7, 2006, at Iowa State University.

“The United States in World Affairs” Joint Engineering/Liberal Arts and Sciences Seminar Series

- Michael Schoenbaum, health economist at the RAND Corporation and principal author of “The Arc,” a plan to make a Palestinian state viable and the Middle East a safer place by an infrastructural makeover of the West Bank and Gaza, presented February 27, 2006.
- Richard Sawyer, recent University of Iowa graduate active in an American non-governmental organization in Guatemala, presented March 20, 2006.
- Peter Soverel, retired U.S. Navy officer with staff experience at the Pentagon, NATO and the White House, now founder and chairman of the Wild Salmon Center, a Russian-American non-governmental organization whose mission is saving Pacific salmon; and Mary Gilchrist, director of The University of Iowa Hygienic Laboratory, presented April 17, 2006.
- Bruce Stokes of the National Journal and Council on Foreign Relations, and Gregs Thomopoulos, president and CEO, Stanley Consultants, Inc., Muscatine, IA, presented April 24, 2006.

Other Notable College-wide Seminars

- Kurt Yeager, retired president and CEO of the Electric Power Research Institute, Palo Alto, CA, presented the annual Kurtz Lecture September 15, 2005, on “The Electric Energy Industry in the 21st Century.”
- Damon Neagle, president of Design IP, Allentown, PA, and engineering alumnus (BS 1994 in civil engineering), presented April 13, 2006, on “Introduction to the Laws Governing Innovation.
- Paul D. Scholz Symposium on Technology and its Role in Society, sponsored by Tau Beta Pi, national engineering honor society, featured speakers Michael Davis, Duane Arnold Energy Center; Bonnie D. Rubin, University of Iowa Hygienic Laboratory; and Col. Duane P. Gapinski, Army Corps of Engineers, on “Emergency Management.”