

The
OFFICE OF NAVAL RESEARCH
presents:

Distinguished Lecture Series

featuring

University of Michigan President Emeritus and
National Medal of Technology & Innovation Laureate

Dr. James J. Duderstadt

"The Future of Engineering Education"



EDUCATIONAL BACKGROUND

- 1964 B. Eng. (*with highest honors*), Electrical Engineering, Yale University
- 1965 M.S., Engineering Science, California Institute of Technology
- 1967 Ph.D., Engineering Science & Physics, California Institute of Technology

CURRENT APPOINTMENTS

Director, Millennium Project, University of Michigan

Director, Program in Science, Technology, and Public Policy, Gerald R. Ford School of Public Policy, University of Michigan

National Research Council Policy and Global Affairs Committee

National Science Foundation Advisory Committee on Cyberinfrastructure

Glion Colloquium, Co-Chair (Joint European-American University Presidents' Council)

Intelligence Science Board

Brookings Institution, Chair, Next Energy Project

Unisys Corporation, Board of Directors

AWARDS AND HONORS

Reginald Jones Award, National Action Commission for Minorities in Engineering

Reginald Wilson Award for achievement in diversity, American Council on Education

National Medal of Technology (Presidential Medal)

National Engineer of the Year, National Society of Professional Engineers

E. O. Lawrence Award, United States Department of Energy

Arthur Holly Compton Prize, American Nuclear Society

Dr. James J. Duderstadt is President Emeritus and University Professor of Science and Engineering at the University of Michigan.

Dr. Duderstadt received a B.Eng. in Electrical Engineering with highest honors from Yale University in 1964 and a M.S. and Ph.D. in Engineering Science and Physics from the California Institute of Technology in 1967. After a year as an Atomic Energy Commission Postdoctoral Fellow at Caltech, he joined the faculty of the University of Michigan in 1968 in the Department of Nuclear Engineering, rising through the ranks to full professor in 1975. Dr. Duderstadt became Dean of the College of Engineering in 1981 and Provost and Vice President for Academic Affairs in 1986. He was elected President of the University of Michigan in 1988 and served in this role until July, 1996. He currently holds a university-wide faculty appointment as University Professor of Science and Engineering, co-chairing the University's program in Science, Technology, and Public Policy and directing the Millennium Project, a research center exploring the impact of over-the-horizon technologies on society.



Dr. Duderstadt's teaching and research interests have spanned a wide range of subjects in science, mathematics, and engineering, including nuclear fission reactors, thermonuclear fusion, high-powered lasers, computer simulation, information technology, and policy development in areas such as energy, education, and science. He has published extensively in these areas, including over 20 books and 150 technical publications.

During his career, Dr. Duderstadt has received numerous national awards for his research, teaching, and service activities, including the E. O. Lawrence Award for excellence in nuclear research, the Arthur Holly Compton Prize for outstanding teaching, the Reginald Wilson Award for national leadership in achieving diversity, and the National Medal of Technology for exemplary service to the nation. He has been elected to numerous honorific societies including the National Academy of Engineering, the American Academy of Arts and Science, Phi Beta Kappa, and Tau Beta Pi.

Dr. Duderstadt has served on or chaired numerous public and private boards including the National Science Board; numerous committees of the National Academies including its executive committee and the Committee on Science, Engineering, and Public Policy; the National Commission on the Future of Higher Education; the Nuclear Energy Research Advisory Committee of the Department of Energy; and business organizations such as the Big Ten Athletic Conference, the University of Michigan Hospitals, Unisys, and CMS Energy.

He currently serves on several major national boards and study commissions in areas such as federal science policy, higher education, information technology, energy sciences, and national security including the NSF's Advisory Committee on Cyberinfrastructure, the Glion Colloquium (Switzerland), and the Intelligence Science Board.