

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Approved by the Regents

April 19, 2007

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

Jack R. East, Ph.D., research scientist in the College of Engineering, retired from active faculty status on November 30, 2006.

Dr. East earned his B.S.E., M.S.E., and Ph.D. degrees in electrical engineering at the University of Michigan in 1969, 1970, and 1986, respectively. He began his career at the University of Michigan in 1974 as a senior research associate in the Department of Electrical Engineering and Computer Science. In 1979 he joined the faculty as an assistant research scientist and was promoted to associate research scientist in 1982 and research scientist in 1993. He also held appointments as a lecturer in 1977 and 1984.

Dr. East is a highly talented and productive scientist. His research focused on microwave and millimeter wave semiconductor devices, and he has made outstanding contributions in these areas that have resulted in semiconductor devices that have pushed the limits of performance. His innovative work led to a metal semiconductor field effect transistor with the highest maximum oscillation frequency. He was also a major contributor to the development of nonlinear models for devices used in microwave and millimeter wave electronics. Most recently, he explored devices for mobile communications and computing, where low power consumption is a critical requirement for long battery life. He played a central role in several large, multi-disciplinary, research centers that focused on low power electronics for mobile communication systems and low energy communication systems.

In an unusual role for a research scientist, Dr. East served as the sole supervisor for a number of graduate students. An excellent mentor, he served on more than 15 Ph.D. committees and helped many students grow into mature researchers. He taught courses on microwave semiconductor devices, solid state device fabrication laboratory, and microwave circuits and co-authored numerous articles and book chapters. He has made important contributions to the research and educational programs in the Department of Electrical Engineering and Computer Science.

The Regents salute this distinguished faculty member by naming **Jack R. East research scientist emeritus**.

Requested by:



Sally J. Churchill
Vice President and Secretary of the University

April 2007