Adopted by the Regents
July 20, 2017

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: **Report of Faculty Retirement**

Action Requested: **Adoption of Retirement Memoir**

Valdis V. Liepa, Ph.D., research scientist in the College of Engineering, retired from active faculty status on January 31, 2017.

Dr. Liepa received his B.S.E. (1958), M.S. (1959), and Ph.D. (1966) degrees from the University of Michigan. Dr. Liepa was appointed an associate research engineer in 1967, and was promoted to research scientist in 1976.

Throughout his career, Dr. Liepa worked on problems in applied electromagnetics. His research explored a number of topics, including antennas, the development and use of sensors for radio-frequency interference, electromagnetic interference measurements, stealth basics, radar-cross-section measurements and measurement systems, and the measurements of surface currents and charges induced on the exterior and interior of various shapes such as scale model aircraft and missiles. He developed and operated a special facility for the U.S. Air Force to provide frequency domain data that were otherwise unavailable or too expensive to compute or acquire by other means. In the mid-1980s, Dr. Liepa started an electromagnetic-compatibility laboratory that measured emissions from personal computers and other digital devices. This laboratory specialized in testing and consulting on automotive and personal radio frequency communication devices subject to regulation by the Federal Communications Commission and Canada. These devices included remote keyless entry receivers and tire-pressure-monitoring-systems.

Dr. Liepa also taught classes in the Department of Electrical Engineering and Computer Science, including special project and design courses involving radio frequency, microwaves, and optics. He was a faculty advisor to the Future Car Team, a student group that designed and built an electric/diesel hybrid vehicle with the goal of improving overall fuel economy and reducing emissions, while retaining performance, comfort, and safety. Dr. Liepa also advised municipalities and citizen groups in matters of electromagnetic radiation from devices such as cellular towers and traffic and weather radar systems. He is a life member of the Institute of Electrical and Electronics Engineers.

The Regents now salute this distinguished faculty member by naming **Valdis V. Liepa, research scientist emeritus.**

Requested by:

Sally J. Churchill

Sally J. Churchill, J.D.
Vice President and Secretary of the University

July 2017