

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

James F. Driscoll, Ph.D., Arthur B. Modine Professor of Engineering and professor of aerospace engineering in the College of Engineering, retired from active faculty status on December 31, 2024.

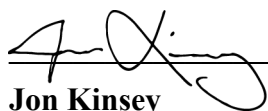
Professor Driscoll received his B.S. (1970) degree from Cornell University and his M.S. (1973) and Ph.D. (1975) degrees from Princeton University. He joined the University of Michigan as an assistant professor in 1974, and was promoted to associate professor in 1980, and professor in 1994. He was awarded the status of A.B. Modine chaired professor in 2013.

Professor Driscoll's research focused on experimental studies of fluid mechanics, fluid mixing and turbulent combustion using laser imaging diagnostics. He was one of the first scientists to apply planar laser-induced fluorescence diagnostics, operated at kilohertz framing rates, to obtain videos of the detailed mixing process within fuel jets that are injected into air flows that are at both high-speeds and at high-temperatures. Some of his studies were the first to quantify supersonic fuel-air mixing. His fundamental fluid mixing measurements were used to assist in development of improved numerical simulations of fuel-air mixing in turbofan and scramjet engines for aerospace vehicles.

In 2016, Professor Driscoll was elected to the position of president of the Combustion Institute, an institute which has approximately 4,000 members in 30 sections in over 25 countries. He oversaw the publication of the institute's three journals and the organization of the biennial symposium on combustion that attracts over 1,200 scientists. Previously he had served as the editor of the institute's premier journal *Combustion and Flame*. He was elected to the status of fellow of AIAA and fellow of the Combustion Institute. He was awarded the Silver Medal of the Combustion Institute in 1998 and the AIAA Career Award in 2013, in the area of propellants and combustion. He also was recognized five times with awards for outstanding scientific papers.

The Regents now salute this distinguished teacher and scholar for his dedicated service by naming **James F. Driscoll, Arthur B. Modine Professor Emeritus of Engineering and professor emeritus of aerospace engineering**.

Requested by:



Jon Kinsey
Vice President and Secretary of the University

February 2025