

The University of Michigan Regents Communication

Request for Action

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

Eric Michielssen, Ph.D., Louise Ganiard Johnson Professor of Engineering, associate dean for research, and professor of electrical engineering and computer science, College of Engineering, retired from active faculty status on December 31, 2025.

Professor Michielssen received his B.S. and M.S. degrees in electrical engineering, magna cum laude, from the Katholieke Universiteit Leuven, Belgium, in 1987, and his Ph.D. degree in electrical engineering from the University of Illinois at Urbana-Champaign in 1992. He joined the Illinois faculty as a visiting assistant professor in 1992 and advanced to professor of electrical and computer engineering in 2002. He joined the University of Michigan in 2005 as a professor of electrical engineering and computer science and was named the Louise Ganiard Johnson Professor of Engineering in 2015. At Michigan, he served as the associate vice president for advanced research computing (2013–2018), the founding co-director of Precision Health (2017–2019), and the associate dean for research in the College of Engineering (2020–2026).

Professor Michielssen is a leader in computational electromagnetics, with foundational contributions to fast algorithms for solving large-scale electromagnetic problems arising in antenna design, radar, microelectronics, and photonics. His methods reduce simulations that once required days to analyze to hours, making previously intractable engineering problems routine. His contributions span time-domain and frequency-domain solvers, preconditioning strategies that resolved long-standing numerical instabilities in multiscale analysis, hierarchical direct solvers, and an extension of wave-physics delay theory to electromagnetic systems. He authored approximately 230 journal papers and 450 conference papers. He mentored 20 doctoral students and more than 20 postdoctoral researchers, many of whom now hold faculty positions at universities worldwide. Professor Michielssen has received numerous honors and recognitions, including the URSI Issac Koga Gold Medal (1999); IEEE Fellow (2002); IEEE AP-S Chen-To Tai Distinguished Educator Award (2014), IEEE AP-S Sergei A. Schelkunoff Transactions Prize Paper Award (2018), IEEE AP-S Mittra-Harrington Computational Electromagnetics Award (2020), and IEEE AP-S R.W.P. King Paper Award (2021).

The Regents now salute this distinguished faculty member by naming **Eric Michielssen, Louise Ganiard Johnson Professor Emeritus of Engineering and professor emeritus of electrical engineering and computer science.**

Requested by:

A handwritten signature in black ink, appearing to read 'Jon Kinsey', with a stylized, cursive script.

Jon Kinsey

Vice President and Secretary of the University

May 2026