

THE UNIVERSITY OF MICHIGAN
Regents Communication

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir


Katsuo Kurabayashi, Ph.D., professor of mechanical engineering in the College of Engineering, retired from active faculty status on May 31, 2023.

Professor Kurabayashi received his B.S. (1992) degree in precision machinery engineering from the University of Tokyo and his M.S. (1994) and Ph.D. (1998) degrees in materials science and engineering from Stanford University. He joined the University of Michigan in 2000 as an assistant professor of mechanical engineering, and was promoted to associate professor with tenure in 2006 and professor in 2012. He served as the associate department chair for graduate education in the Department of Mechanical Engineering from 2015-2018.

Professor Kurabayashi's expertise is in heat and mass transfer for MEMS, environmental, and biological sensors. His fundamental research and product design have led to new platforms for microscale gas chromatography, ultrafast disease biomarker screening, and single-cell sorting through synergistic and impactful collaborations. He is a fellow of the American Society of Mechanical Engineers and the Royal Society of Chemistry and is an elected full member of Sigma Xi, Scientific Research Honor Society. He has been the recipient of the National Mechanical Engineering Honor Society Pi Tau Sigma's Outstanding Professor Award (2007), the University of Michigan's Wise-Najafi Prize for Engineering Excellence in the Miniature World (2019), and the University of Michigan's Ted Kennedy Excellent Team Award (2015). He has published over 180 journal articles and conference proceedings papers and is the holder of nearly a dozen patents.

The Regents now salute this distinguished faculty member by naming **Katsuo Kurabayashi, professor emeritus of mechanical engineering**.

Requested by:



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

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