

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

John Cherng, Ph.D., professor of mechanical engineering in the College of Engineering and Computer Science, University of Michigan-Dearborn, retired from active faculty status on December 31, 2022.

Professor Cherng received his Bachelor of Engineering degree in marine engineering (1967) from National Taiwan Ocean University, his Master of Science (1975) and Ph.D. in mechanical and aerospace engineering (1978) degrees from the University of Tennessee. He joined the University of Michigan-Dearborn in 1986 as a visiting associate professor. He became an associate professor in 1987 and an associate professor with tenure in 1993. He was promoted to the rank of professor in 1999.

Professor Cherng specialized in vehicle noise, vibration, and harshness (NVH), acoustical materials, sound quality, and noise control. His research resulted in broad and impactful industrial applications. He teaches graduate and undergraduate courses in the areas of mechatronics, turbomachinery and wind power generation, acoustics, noise control, powertrain NVH, instrumentation and thermal fluid science. He also developed automotive NVH continuing education courses for industry engineers from Ford, Chrysler, General Motors, and Siemens. Prior to joining the university, Professor Cherng was a Navy Lieutenant, Principal Research Scientist at Enron, and an assistant professor of mechanical engineering at New Mexico State University. Professor Cherng holds a U.S. patent in the area of acoustic metrology for dimensional conformance. During his career, he published over 25 papers and book chapters and received multiple grants from Keurig, the Department of Energy, Ford Motor Company, and HP Pelzer Automotive Systems to support his research. He has served on program development and search committees in the college, the Faculty Senate, and was a long-serving member of the College Curriculum Committee. Professor Cherng is a member of many professional societies, including the American Society of Mechanical Engineers (ASME), the Society of Automotive Engineers (SAE), American Society of Engineering Education (ASEE), and the Acoustical Society of America.

The Regents now salute this distinguished teacher and scholar by naming **John Cherng, professor emeritus of mechanical engineering**.

Requested by:



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

December 2022