

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

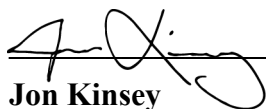
Richard E. Hughes, Ph.D., associate professor of orthopaedic surgery in the Medical School and associate professor of industrial and operations engineering in the College of Engineering, retired from active faculty status on January 9, 2026.

Dr. Hughes received his B.S.E (1985) degree in civil engineering from Princeton University. He received both his M.S.E (1990) degree and his Ph.D. (1991) degree in industrial & operations engineering from the University of Michigan. He worked at the Washington State Department of Labor and Industries as an ergonomist in the safety and health applications and research for prevention division from 1991 to 1994. He then did a post-doctoral fellowship at the Mayo Clinic's orthopaedic biomechanics lab under the direction of Kai-Nan An, Ph.D. with a focus on shoulder biomechanics. He left the Mayo Clinic in 1996 and briefly taught calculus at Pierce College. He then worked as a safety engineer and team leader at the National Institute for Occupational Safety and Health from 1997 to 1998. He returned to the University of Michigan as an assistant professor in the Department of Surgery in 1998, in the section of orthopaedic surgery. When the Department of Orthopaedic Surgery separated from Department of Surgery in 2001, he became an assistant professor of orthopaedic surgery. He received an appointment as an assistant professor in the Department of Biomedical Engineering in 1999 which transitioned to affiliated faculty status in 2018. In 2004, he was promoted to associate professor (with tenure). In 2008, he obtained an appointment as associate professor in industrial and operations engineering

Dr. Hughes' primary academic work was conducting shoulder biomechanics research and co-founding the Michigan Arthroplasty Registry Collaborative Quality Initiative (MARCQI). His shoulder work lasted until approximately 2012. He was co-director of MARCQI with Brian Hallstrom, M.D., in 2013. MARCQI is a consortium of hospitals, ambulatory surgery centers, and orthopaedic surgeons dedicated to improving the quality of care for elective total hip and knee replacement patients in the state of Michigan. MARCQI was funded by Blue Cross Blue Shield of Michigan/Blue Care Network through clinical payments. He also developed a course on optimization modeling in health care that he taught until 2025 and taught a graduate course in occupational biomechanics in Winter 2025.

The Regents now salute this distinguished faculty member by naming **Richard E. Hughes associate professor emeritus of orthopaedic surgery.**

Requested by:



Jon Kinsey
Vice President and Secretary of the University

March 2026