

THE UNIVERSITY OF MICHIGAN

Regents Communication

**Adopted by the
Regents
May 21, 2015**

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

Noboru Kikuchi, Ph.D., Roger L. McCarthy Professor of Mechanical Engineering and professor of mechanical engineering, College of Engineering, will retire from active faculty status on May 31, 2015.

Professor Kikuchi received his B.E. degree from the Tokyo Institute of Technology in 1974, and his M.Sc. and Ph.D. degrees from the University of Texas at Austin in 1975 and 1977, respectively. He joined the University of Michigan faculty as an assistant professor in 1980, and was promoted to associate professor in 1983, and professor in 1985. He was named the Roger L. McCarthy Professor of Mechanical Engineering in 2004.

Professor Kikuchi is a world renowned scholar in adaptive finite element methods including automatic mesh generation and remeshing schemes for nonlinear problems in mechanical engineering and applied mechanics. His research achievements include the development of micromechanical models for unilateral contact friction of metal and sheet-metal forming processes, topology optimization for material microstructures, and the homogenization method in mechanics of composites. Professor Kikuchi developed the image based computer aided engineering (CAE) methodology and the first order analysis method for the CAE of automotive body structures. He has an exceptional publication record that includes over 200 technical papers with over 8,800 total citations. Professor Kikuchi's seminal paper on generating optimal topologies in structural design using a homogenization method has received over 2,200 citations. In addition to his research endeavors, he made time to mentor over 40 doctoral students, develop new courses, and serve as president of the Toyota Research Institute of North America. Professor Kikuchi received numerous honors including the University's Henry Russel Award (1985), the College of Engineering's Distinguished Research Award (1991), and The Japan Society of Mechanical Engineers' Computational Mechanics Achievement Award (1999).

The Regents now salute this distinguished faculty member by naming **Noboru Kikuchi, Roger L. McCarthy Professor Emeritus of Mechanical Engineering and professor emeritus of mechanical engineering.**

Requested by:



Sally J. Churchill, J.D.

Vice President and Secretary of the University

May 2015