

THE UNIVERSITY OF MICHIGAN
REGENTS COMMUNICATION

ACTION REQUEST: Additional Appointment to a Collegiate Research Professorship

NAME: Matthew P. Reed

CURRENT TITLES: Research Professor, University of Michigan Transportation Research Institute, and Research Professor, Center for Ergonomics, College of Engineering

ADDITIONAL TITLE: Don B. Chaffin Collegiate Research Professor, UM Office of Research

TERM: Five Years, Renewable

EFFECTIVE DATES: September 1, 2016 through August 31, 2021

With the approval of the 2016 Research Faculty Award Advisory Committee, I am pleased to recommend the appointment of Dr. Matthew P. Reed as the Don B. Chaffin Collegiate Research Professor, UM Office of Research, for a five-year renewable term, effective September 1, 2016 through August 31, 2021.

The Don B. Chaffin Collegiate Research Professorship was established in June 2016. The Collegiate Research Professor award is given to recognize exceptional scholarly achievement and impact on advancing knowledge in science, engineering, health, education, the arts, the humanities, or other academic fields of study. A stipend from the UM Office of Research accompanies this professorship.

Don B. Chaffin served the College of Engineering with distinction for more than 35 years, retiring in 2007. As a member of the Industrial and Operations Engineering faculty, he led a major expansion of the Center of Ergonomics and served as department chair from 1979 to 1981. Professor Chaffin was well known for his application of biomechanical modeling to understanding and preventing lower-back injuries, particularly those due to work in industry. He was among the first to use computational models of the human body to improve work design and founded the Human Motion Simulation Laboratory in 1998 to harness the rapid expansion of 3D graphics capabilities in desktop computers. Professor Chaffin's legacy includes far safer workplaces, particularly in the auto industry, and a suite of computational tools for ergonomics that are used around the world.

Professor Reed received his B.S.E. in mechanical engineering in 1989, his M.S.E. in industrial and operations engineering in 1993, and his Ph.D. in industrial and operations engineering in 1998 from the University of Michigan. During his long career at the University of Michigan, he has established himself as a world leader in the study of vehicle occupant body shape and posture

and is responsible for major innovations in his field that have improved the safety and comfort of millions of people. Early on, he established the statistical and biomechanical models that are the basis of all software packages used for vehicle occupant compartment design and have become the global standard for occupant compartment layout. More recently, he has led cutting edge work on the effective and efficient statistical modeling of a wide variety body shapes and characteristics. In the course of his research, he has published more than 130 articles in top journals with collaborators from around the world, and he has received multiple prestigious awards in recognition of his contributions to his field.

Professor Reed's exceptional scholarly achievements and the impact of his research make him an outstanding candidate for this award. I am pleased to recommend the appointment of Matthew P. Reed as the Don B. Chaffin Collegiate Research Professor, UM Office of Research, effective September 1, 2016 through August 31, 2021.

Respectfully submitted,



S. Jack Hu
Vice President for Research

July 2016