

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

Nadine B. Sarter, Ph.D., Richard W. Pew Collegiate Professor of Industrial and Operations Engineering, professor of industrial and operations engineering, and professor of aerospace engineering in the College of Engineering, retired from active faculty status on September 2, 2024.

Professor Sarter received her B.S. (1981) and M.S. (1983) degrees in psychology from the University of Hamburg, Germany, and her Ph.D. (1994) degree in industrial and systems engineering from The Ohio State University. She joined the University of Illinois at Urbana-Champaign as an assistant professor in 1996. In 1999, she became an assistant professor of industrial and systems engineering at The Ohio State University where she was promoted to associate professor in 2002. Professor Sarter joined the University of Michigan as an associate professor in the Department of Industrial and Operations Engineering in 2004 and was promoted to professor in 2011. She also held an affiliate faculty appointment in the Departments of Robotics.

Professor Sarter's research focused on supporting safe and effective human-machine interaction and human-autonomy teaming by studying performance effects of system complexity, operator trust in (semi)autonomous systems, multimodal display design, interruption management, and the design of decision aids for high-tempo operations. Over her career, she has received numerous research grants from notable institutions such as the National Science Foundation (NSF), NASA, the FAA, and DoD. She served as director of the UM Center for Ergonomics (2015 to 2023), member of the College of Engineering Executive Committee (2021-2024), and member of the Board on Human-Systems Integration of the National Academies of Science, Engineering and Medicine. Professor Sarter is a fellow of the Human Factors and Ergonomics Society (HFES), served as associate editor of its flagship journal *Human Factors* (2008-2023) and received an NSF Faculty Early CAREER Award. In 2019, she was elected to the National Academy of Engineering "For innovation in the design and use of tactile displays for improved safety in aviation, automobiles, and healthcare".

The Regents now salute this distinguished scholar and educator for her dedicated service by naming **Nadine B. Sarter, Richard W. Pew Collegiate Professor Emerita of Industrial and Operations Engineering, professor emerita of industrial and operations engineering, and professor emerita of aerospace engineering.**

Requested by:



Jon Kinsey
Vice President and Secretary of the University

September 2024