THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: **Report of Faculty Retirement**

Action Requested: **Adoption of Retirement Memoir**

Wayne E. Stark, Ph.D., professor of electrical engineering and computer science in the College of Engineering, retired from active faculty status on December 31, 2023.

Professor Stark received his B.S. (1978), M.S. (1979), and Ph.D. (1982) degrees in electrical engineering from the University of Illinois (Urbana-Champaign). He joined the University of Michigan faculty as an assistant professor of electrical engineering and computer science in 1982, and was promoted to associate professor in 1988, and professor in 1996.

Professor Stark's research was focused on digital communication theory and practice, with particular emphasis on wireless communications, spread-spectrum communications, coding theory and information theory. He made fundamental contributions to understanding the limits of reliable communications for wireless channels. He graduated 39 Ph.D. students, published 73 journal articles, 170 conference papers and has more than a dozen patents. He authored one book and six book chapters. He taught undergraduate and graduate courses in the areas of probability, analog communications, signal and systems, digital communications, information theory, communication networks, software-defined radio, and channel coding theory. He also taught a University of Michigan summer short course (1993-96), a wireless communications camp for high school students (2010-2011), and study abroad courses (2015, 2016, 2019).

In the Department of Electrical Engineering and Computer Science, he served as associate chair for EE Systems (1997-2000) and as area director for networking, communications and information systems (2015-2022). He served on the Senate Advisory Committee on University Affairs (2007-2010) and the International Programs in Engineering Advisory Committee (2021-2022). He was associate editor of *IEEE Transactions on Communications* (1984-1989) and a member of the Board of Governors of the IEEE Information Theory Society (1985-1988). He received an NSF Presidential Young Investigator Award (1985), the IEEE MILCOM Board Technical Achievement Award (2002), the IEEE Military Communications Conference Ellersick Best Paper Award (2009), and the *Journal of Communications and Networks* 2010 Best Paper Award. He is a life fellow of the IEEE. He had strong industrial ties, spending sabbatical years in industry and consulting for a number of companies in the area of wireless communications and radar.

The Regents now salute this distinguished faculty member by naming **Wayne E. Stark, professor emeritus of electrical engineering and computer science.**

Requested by:

Sally J. Churchill

Sally J. Churchill, J.D.
Vice President and Secretary of the University   **December 2023**