

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

Jasprit Singh, Ph.D., professor of electrical engineering and computer science in the College of Engineering, retired from active faculty status on May 31, 2015.

Professor Singh received his B.Sc. (1973) degree from University of Delhi and his M.S. (1976) and Ph.D. (1981) degrees from the University of Chicago. He joined the University of Michigan as an assistant professor in 1985, and was promoted to associate professor in 1987, and professor in 1991.

Professor Singh's research focused on theoretical studies of semiconductor structures for intelligent devices and the development of simulators to understand electronic and optoelectronic properties of devices such as high-speed transistors, lasers, modulators and LEDs. He published over 300 papers and 10 books, including *Electronic and Optoelectronic Properties of Semiconductor Structures* (2003), *Smart Electronic Materials: Fundamentals and Applications* (2005), and *Semiconductor Device Physics and Design* (2007). Professor Singh also maintained a deep interest in the use of yoga and mindfulness to enhance personal and social well-being. He taught courses on mindful wellness that integrated yoga and modern technology, as well as courses where students developed mobile apps designed to improve the quality of life. In 2015, Professor Singh, along with his Ph.D. student Dr. John Hinckley, formed Gurmentor, Inc. a mobile platform development company. Professor Singh was noted for the excellence of his teaching and for his dedication to students, both in the classroom and as an advisor, serving many years as the graduate chair of the Electrical Engineering Program and as an undergraduate advisor. Professor Singh was co-awarded, with Pallab Bhattacharya, Rachel Goldman, and Theodore Norris, the College of Engineering's Ted Kennedy Family Team Excellence Award (2003-04) for research conducted on self-organized epitaxy and quantum dot optoelectronic devices that effectively started the entire field of nanophotonics.

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

Requested by:



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

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