

# THE UNIVERSITY OF MICHIGAN

## *Regents Communication*

### ACTION REQUEST

**Subject: Report of Faculty Retirement**

**Action Requested: Adoption of Retirement Memoir**

**Ian Hiskens, Ph.D.**, Vennema Professor of Engineering and professor of electrical engineering and computer science in the College of Engineering, retired active faculty status on August 31, 2023.

Professor Hiskens received a B.Eng. degree in electrical engineering (1980) and a B.App.Sc. degree in mathematics (1983) from the Capricornia Institute of Advanced Education, and a Ph.D. degree (1991) from The University of Newcastle, Australia. He held positions with the Queensland Electricity Commission as security applications engineer (1983-86) and as planning engineer transmission systems (1986-92). He also held positions as senior lecturer at the University of Newcastle (1992-99) and as a visiting associate professor at the University of Illinois (1999-02). In 2002, he joined the University of Wisconsin-Madison as associate professor of electrical and computer engineering and was promoted to professor in 2005. In 2008, he joined the University of Michigan faculty as a professor and as the Vennema Professor of Engineering.

Professor Hiskens is a renowned expert in power system analysis with a special focus on grid integration of renewable generation. His expertise extends to analysis and control of nonlinear non-smooth (hybrid) dynamical systems. In the power systems context, this includes dynamics and control of inverter-based sources and non-disruptive load control. He has made fundamental contributions in theoretical and practical techniques for assessing voltage collapse, trajectory sensitivity analysis for hybrid dynamical systems, optimal power flow, and algorithms for inverse problems. He has supervised 24 Ph.D. students and 15 M.S. students. He has authored two books, 10 book chapters, 86 refereed journal papers, and 180 conference papers.

Professor Hiskens has served on the editorial board of *Proceedings of the IEEE*, as chair of the Board of Directors of the International Institute for Research and Education in Power System Dynamics (IREP), and as vice-president finance of the IEEE Systems Council. He is a fellow of the IEEE, and Engineers Australia, and a chartered professional engineer in Australia. He is a recipient of the M.A. Sargent Medal from the Electrical College Board of Engineers Australia.

The Regents now salute this distinguished faculty member by naming **Ian Hiskens, Vennema Professor Emeritus of Engineering and professor emeritus of electrical engineering and computer science**.

**Requested by:**



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

**July 2023**