

THE UNIVERSITY OF MICHIGAN
Regents Communication

Adopted by the
Regents
October 16, 2014

ACTION REQUEST

Subject: Report of Faculty Death

Action Requested: Adoption of Memorial Statement

The Regents of the University of Michigan acknowledge with profound sadness the death of **Pierre T. Kabamba, Ph.D.**, professor of aerospace engineering and professor of electrical engineering and computer science in the College of Engineering. Professor Kabamba died on September 20, 2014.

Professor Kabamba graduated summa cum laude as an Ingénieur Civil en Mathématiques Appliquées from the Université Catholique de Louvain, Belgium in 1977 and received his Ph.D. degree from Columbia University in 1981. He joined the University of Michigan's faculty as a lecturer in 1983, and was promoted to assistant professor in 1984, associate professor in 1989, and professor in 1994.

A distinguished engineer, Professor Kabamba studied control theory, dynamics, modeling robustness, sampled-data systems, guidance, navigation, and process control. His recent research explored the development of quasi-linear control theory applied to linear plants with sensors or actuators and multi-spacecraft interferometric imaging systems used to obtain images of exo-solar planets. Professor Kabamba published more than 170 journal articles, served as associate editor for *Mathematical Modeling of Systems* and *Mathematical Problems in Engineering*, and co-authored two books entitled *Quasi-Linear Control: Performance Analysis and Design of Feedback Systems with Nonlinear Sensors and Actuators* (2010) and *Fundamentals of Aerospace Navigation and Guidance* (2014). A gifted instructor and dedicated mentor, he taught courses on flight dynamics; astrodynamics; linear systems theory; and avionics, navigation and guidance of aerospace vehicles. In 1996, Professor Kabamba was elected a fellow of the Institute of Electrical and Electronics Engineers for his contributions to the development of sampled-data hold function control of dynamic systems. He received numerous honors including the Department of Aerospace Engineering's Teaching Award (1994) and the Silver Shaft Award for Undergraduate Teaching (2002). Professor Kabamba will be remembered for his passion for engineering, his relentless drive for scholarly excellence, and his dedication to the University.

As we mourn the loss of our beloved colleague, we also extend our heartfelt condolences to his wife Joséphine Kasa-Vubu, his children Monique, Oriane, and Louis, and his many loving relatives and friends.

Requested by:



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

October 2014