

Pramod P. Khargonekar

Pramod P. Khargonekar received his B. Tech. Degree in electrical engineering from the Indian Institute of Technology, Bombay, India, in 1977, and M.S. degree in mathematics and Ph.D. degree in electrical engineering from the University of Florida in 1980 and 1981, respectively. After holding faculty positions in electrical engineering at the University of Florida and University of Minnesota, he joined the University of Michigan in 1989 as Professor of Electrical Engineering and Computer Science. He became Chairman of the Department of Electrical Engineering and Computer Science in 1997 and was also the Claude E. Shannon Professor of Engineering Science. In July 2001, he rejoined the University of Florida as Dean of the College of Engineering and Eckis Professor Electrical and Computer Engineering.

Dr. Khargonekar's research and teaching interests are centered around theory and applications of systems and control. His early work was on mathematical control theory, specifically focusing on robust and H-infinity control problems. During the 1990's, he worked on a major multidisciplinary project on applications of control and estimation techniques to semiconductor manufacturing. In this work, he served as the Principal Investigator of an AFOSR/DARPA MURI Center on Modeling and Control of Plasma Processes. He has supervised 29 doctoral students and has co-authored more than 120 refereed journal publications, 170 conference publications, and two co-edited books.

During Dr. Khargonekar's tenure as Chair of EECS at Michigan, the department expanded computer science activities while enhancing traditional strengths in electrical engineering leading to a computer science degree in the College of Engineering. Under his leadership as Dean, the College of Engineering at the University of Florida has made significant improvements and the graduate program rankings have gone up from 35 in 2001 to 26 in 2007. A new Department of Biomedical Engineering was created in 2001-02 and a \$10 million naming gift for this department was secured in 2005. Working with other colleges, a major multidisciplinary initiative entitled the Nanoscience Institute for Medical and Engineering Technologies has been established. The College has dramatically improved doctoral productivity – the number of doctoral degrees granted has gone up from 95 to 187 in the last six years, the college has recruited more than 90 new faculty members and has made significant strides in improving faculty diversity. Total research expenditures have also grown, from around \$65 million to \$108 million.

Dr. Khargonekar is a recipient of the NSF Presidential Young Investigator Award, the American Automatic Control Council's Donald Eckman Award, the IEEE W.R.G. Baker Prize Award, the George Axelby Best Paper Award, the Hugo Schuck ACC Best Paper Award, the Japan Society for Promotion of Science Fellowship, and a Distinguished Alumnus Award from the Indian Institute of Technology, Bombay. At the University of Michigan, he received a teaching excellence award from the EECS department, a research excellence award from the College of Engineering, and the Arthur F. Thurnau Professorship. He is a Fellow of IEEE. He is on the list of Highly Cited Researchers from ISI.