



S. Shankar Sastry

NEC Distinguished Professor & Chair, Electrical Engineering & Computer Sciences University of California, Berkeley

S. Shankar Sastry became Chairman, Department of Electrical Engineering and Computer Sciences, University of California, Berkeley in January, 2001. The previous year, he served as Director of the Information Technology Office at DARPA. From 1996-1999, he was the Director of the Electronics Research Laboratory at Berkeley, an organized research unit on the Berkeley campus conducting research in computer sciences and all aspects of electrical engineering. He is the NEC Distinguished Professor of Electrical Engineering and Computer Sciences and a Professor of Bioengineering.

Dr. Sastry received his Ph.D. degree in 1981 from the University of California, Berkeley. He was on the faculty of MIT as Asst. Professor from 1980-82 and Harvard University as a chaired Gordon Mc Kay professor in 1994. He has held visiting appointments at the Australian National University, Canberra the University of Rome, Scuola Normale and University of Pisa, the CNRS laboratory LAAS in Toulouse (poste rouge), Professor Invite at Institut National Polytechnique de Grenoble (CNRS laboratory VERIMAG), and as a Vinton Hayes Visiting fellow at the Center for Intelligent Control Systems at MIT. His areas of research are embedded and autonomous software, computer vision, computation in novel substrates such as DNA, nonlinear and adaptive control, robotic telesurgery, control of hybrid systems, embedded systems, sensor networks and biological motor control.

Nonlinear Systems: Analysis, Stability and Control is Dr. Sastry's latest book, published by Springer-Verlag in 1999. He has coauthored over 250 technical papers and 8 books, including *Adaptive Control: Stability, Convergence and Robustness* (with M. Bodson, Prentice Hall, 1989) and *A Mathematical Introduction to Robotic Manipulation* (with R. Murray and Z. Li, CRC Press, 1994). He has co-edited *Hybrid Control II, Hybrid Control IV* and *Hybrid Control V* (with P. Antsaklis, A. Nerode, and W. Kohn, Springer Lecture Notes in Computer Science, 1995, 1997, and 1999, respectively) and co edited *Hybrid Systems: Computation and Control* (with T. Henzinger, Springer-Verlag Lecture Notes in Computer Science, 1998) and *Essays in Mathematical Robotics* (with Baillieul and Sussmann, Springer-Verlag IMA Series). His most recent book "An Invitation to 3D Vision: From Images to Models" co-authored with Y. Ma, S. Soatto, and J. Kosecka was published by Springer Verlag in November 2003.

Dr. Sastry served as Associate Editor for numerous publications, including: *IEEE Transactions on Automatic Control*; *IEEE Control Magazine*; *IEEE Transactions on Circuits and Systems*; *the Journal of Mathematical Systems, Estimation and Control*; *IMA Journal of Control and Information*; *the International Journal of Adaptive Control and Signal Processing*; *Journal of Biomimetic Systems and Materials*.

Dr. Sastry was elected into the National Academy of Engineering in 2001 "for pioneering contributions to the design of hybrid and embedded systems." He also received the President of India Gold Medal in 1977, the IBM Faculty Development award for 1983-1985, the NSF Presidential Young Investigator Award in 1985 and the Eckman Award of the of the American Automatic Control Council in 1990, an M. A. (honoris causa) from Harvard in 1994, Fellow of the IEEE in 1994, the distinguished Alumnus Award of the Indian Institute of Technology in 1999, and the David Marr prize for the best paper at the International Conference in Computer Vision in 1999.

He has supervised over 50 doctoral students to completion and over 50 MS students. His students now occupy leadership roles in several locations and on the faculties of many major universities in the United States and abroad.
