



## S. Shankar Sastry

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S. Shankar Sastry is currently the Dean of Engineering at University of California, Berkeley and the faculty director of the Blum Center for Developing Economies. From 2004 to 2007 he was the Director of CITRIS (Center for Information Technology in the Interests of Society) an interdisciplinary center spanning UC Berkeley, Davis, Merced and Santa Cruz. He has served as Chairman, Department of Electrical Engineering and Computer Sciences, University of California, Berkeley from January, 2001 through June 2004. From 1999-early 2001, he was on leave from Berkeley as Director of the Information Technology Office at the Defense Advanced Research Projects Agency (DARPA). From 1996-1999, he was the Director of the Electronics Research Laboratory at Berkeley.

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. His areas of personal research are resilient network control systems, cybersecurity, autonomous and unmanned systems (especially aerial vehicles), computer vision, nonlinear and adaptive control, control of hybrid and embedded systems, and software. Most recently he has been concerned with critical infrastructure protection, in the context of establishing a ten year NSF Science and Technology Center, TRUST (Team for Research in Ubiquitous Secure Technologies)

He has coauthored over 550 technical papers and 9 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), *Nonlinear Systems: Analysis, Stability and Control* (Springer-Verlag, 1999), and *An Invitation to 3D Vision: From Images to Models* (Springer Verlag, 2003) (with Y. Ma, S. Soatto, and J. Kosecka). 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*. He is currently an Associate Editor of the *IEEE Proceedings*.

Dr. Sastry was elected into the National Academy of Engineering in 2001 and the American Academy of Arts and Sciences (AAAS) in 2004. 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, the Ragazzini Award for Distinguished Accomplishments in teaching in 2005, 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, an honorary doctorate from the Royal Swedish Institute of Technology in 2007 and the C.L. Tien Award for Academic Leadership in 2010. He has been a member of the Air Force Scientific Advisory Board from 2002-5 and the Defense Science Board in 2008 among other national boards. He is currently on the corporate boards of C3-Carbon and HCL Technologies (India). He is on the Scientific Advisory Boards of Interwest LLC, GE Software, and Eriksholm.

He has supervised over 65 doctoral students and over 50 MS students to completion. His students now occupy leadership roles in several places and on the faculties of many major universities in the United States and abroad.