



### **K.-T. Tim Cheng - Biography**

Cheng received his Ph.D. in EECS from the University of California, Berkeley in 1988. He worked at Bell Laboratories from 1988 to 1993 and joined the faculty at the University of California, Santa Barbara in 1993 where he is now a professor in ECE. He was the founding director of UCSB's Computer Engineering Program (1999-2002) and Chair of the ECE Department (2005-2008). He held a Visiting Professor position at National TsingHua Univ., Taiwan (1999), Univ. of Tokyo, Japan (2008), and Hong Kong Univ. of Science and Technology (2012), and Adjunct Professor at Beijing University, China (2003-2005) and Chair Professor at Zhejiang University, China (2012-2015). His current research interests include mobile embedded systems and SoC design validation and test. He has published more than 350 technical papers, co-authored five books, supervised 29 PhD dissertations, and holds 12 U.S. Patents in these areas.

Cheng currently serves as Director for DoD/MURI Center for 3D hybrid circuits which aims at integrating CMOS with high-density memristors. He also serves on the executive committee, as a research thrust leader, of the SRC/FCRP Gigascale System Research Center, and was co-director of both the International Centers of System-on-Chip and Design for Nanotechnologies (jointly sponsored by US NSF, National Natural Science Foundation of China, and NSC of Taiwan).

Cheng, an IEEE fellow, received ten Best Paper Awards from various IEEE conferences and journals. He has also received the 2004-2005 UCSB College of Engineering Outstanding Teaching Faculty Award. He served as Editor-in-Chief of IEEE Design and Test of Computers (2006-2009) and was a board member of IEEE Council of Electronic Design Automation's Board of Governors, IEEE Computer Society's Publication Board, and working groups of International Technology Roadmap for Semiconductors (ITRS). He has also served as General and Program Chair for several international conferences including 2012 IEEE International Test Conference.