The Computer Engineering group at Rice University has a long track record of innovative research in physical modeling and characterization, VLSI signal processing, computer architecture, computer-aided design, and storage and network systems. Spanning the spectrum of computing from low-power personal devices to large-scale parallel information systems, networked computing solves a myriad of technology challenges. Future computing technologies, including the on-chip integration of systems and networks, will move us beyond current methods in silicon.

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Updated June 11, 2014
Aydin Babakhani, Assistant Professor, Electrical and Computer Engineering
Research Interests: Analysis, design, & testing of integrated circuits & antennas, with applications in high-speed wireless communication, radar, medical imaging, bio-sensing
Dr. Babakhani received his B.S. degree from Sharif University of Technology in 2003, and his M.S. and Ph.D. degrees from Caltech in 2005 and 2008, respectively. Dr. Babakhani was a postdoctoral scholar at Caltech in 2009 and a research scientist at IBM T.J. Watson Research Center in 2010. He is a recipient of the Best Paper Award in IEEE IMS Symposium in 2014, an innovation award from Northrop Grumman in 2014, and a prestigious DARPA Young Faculty Award (YFA) in 2012.

Joseph R. Cavallaro, Professor, Electrical and Computer Engineering & Computer Science
Dr. Cavallaro received his B.S.E.E. from the University of Pennsylvania in 1981, M.S.E.E. from Princeton in 1982, and Ph.D. from Cornell in 1988. Dr. Cavallaro joined the faculty of Rice University in 1988. He is also Associate Director of the Center for Multimedia Communication at Rice.

Caleb Kemere, Assistant Professor, Electrical and Computer Engineering
Research Interests: Building interfaces with memory and cognitive processes; model-based signal processing; low-power embedded systems
Caleb Kemere received his B.S. from the University of Maryland, College Park in 1998, and M.S.E.E. and Ph.D. from Stanford University in 2000 and 2006, respectively. He was a postdoctoral fellow at the Keck Center for Integrative Neurosciences at UCSF before joining the Rice faculty in 2011, and is a winner of a 2013 NSF CAREER Award.

Farinaz Koushanfar, Associate Professor, Electrical and Computer Engineering
Research Interests: Sensor networks, low power embedded systems, optimization and statistics.
Dr. Koushanfar received her B.S. and Ph.D. in Electrical Engineering and Computer Science, and her M.A. in Statistics, from the University of California, Berkeley, in 1998, 2005 and 2005, respectively; she received her M.S. in Electrical Engineering from the University of California, Los Angeles in 2000. She is an NSF CAREER Award and DARPA Young Faculty Award winner.

Peter Varman, Professor, Electrical and Computer Engineering & Computer Science
Research Interests: Storage and Memory Systems; Virtualization and Resource Management; Datacenter Architecture; Cloud Computing
Dr. Varman received his B. Tech. in 1978 from IIT-Kanpur and his M.S.E.E. and Ph.D. from the University of Texas in Austin in 1980 and 1983, respectively. He was a visiting faculty at VMWare and at Intel Labs during 2011-2012.

Ashok Veeraraghavan, Assistant Professor, Electrical and Computer Engineering & Computer Science
Research Interests: Computational imaging, compressive sensing for imaging, signal processing and computer vision
Dr. Veeraraghavan received his B.Tech. in Electrical Engineering from Indian Institute of Technology, Madras in 2002, and master’s and Ph.D. from the Department of Electrical and Computer Engineering at the University of Maryland, College Park in 2004 and 2008, respectively. Ashok joined the ECE Department in 2010.

Lin Zhong, Associate Professor, Electrical and Computer Engineering & Computer Science
Research Interests: Mobile & embedded systems, human factors, and nanoelectronics.

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