

2010 EDITH AND PETER O'DONNELL
AWARDS RECIPIENTS



ENGINEERING :

**RESEARCH TEAM OF DOUGLAS C. BURGER, PH.D.
AND STEPHEN W. KECKLER, PH.D.**

Stephen W. Keckler is a professor of computer science and electrical and computer engineering at The University of Texas at Austin. His research interests include computer architecture, parallel processors, high-performance computing, VLSI design and the relationship between technology trends and computer architectures. He co-led the UT Austin TRIPS project, which has developed and prototyped high performance adaptive computer systems. As co-director of the Computer Architecture and Technology (CART) Laboratory, Keckler's research has been supported by more than \$20 million in extramural funding from DARPA, the National Science Foundation, IBM and Intel. He is an Alfred P. Sloan Research Fellow, the 2003 winner of the Association of Computing Machinery (ACM) Grace Murray Hopper Award, a recipient of a National Science Foundation CAREER Award and a winner of the 2007 President's Associates Teaching Excellence Award at The University of Texas at Austin. He earned a B.S. in electrical engineering from Stanford University and an M.S. and Ph.D. in computer science from the Massachusetts Institute of Technology. Keckler is a senior member of both the IEEE and the ACM and a member of Sigma Xi and Phi Beta Kappa.

Doug Burger is an adjunct professor of computer science at The University of Texas at Austin and is also a principal researcher at Microsoft Research where he manages a research group in computer architecture. His current research efforts span computer architecture, new computing technologies, power-efficient computing, mobile computing, data center design, cloud computing services and compilers. At UT Austin, he co-led the TRIPS project, which has developed and prototyped high performance adaptive computer systems. His research has been recognized with several awards, including over \$20 million in extramural funding while at UT Austin, a National Science Foundation CAREER Award, a Sloan Foundation Fellowship and the 2006 Association for Computing Machinery (ACM) Maurice Wilkes Award. He received his B.S. in computer science from Yale University and his M.S. and Ph.D. in computer science from the University of Wisconsin-Madison. He is a senior member of the IEEE, chair of ACM SIGARCH and was named an ACM Distinguished Scientist in 2008.