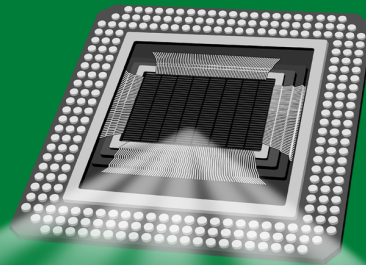


Keynote SPEAKERS

Tuesday, 18 September



HPEC 2007

High Performance Embedded Computing

Mission Keynote Speaker

Dr. Michael McGrath – Auditorium, 8:35 a.m.



Dr. Michael McGrath is the Deputy Assistant Secretary of the Navy for Research, Development, Test and Evaluation. His role is to aggressively drive new technologies from all sources across Navy and Marine Corps platforms and systems, and to develop programs to bridge the gap in transitioning from Science and Technology to Acquisition. Prior to his appointment to this position in 2003, he spent five years as Vice President for Government Business at the Sarnoff Corporation, a leading R&D company with both commercial and government clients.

Dr. McGrath has 28 years of prior government experience, in reverse life cycle order. He started in weapon system logistics at NAVAIR in the 1970s, moved into acquisition in the Office of the Secretary of Defense in the 1980s, and then into technology development at DARPA in the 1990s. He holds a BS in Space Science and Applied Physics, an MS in Aerospace Engineering, and a doctorate in Operations Research from George Washington University.

Technology Keynote Speaker

Prof. Jack Dongarra – Auditorium, 9:05 a.m.



Jack Dongarra received a BS in Mathematics from Chicago State University in 1972 and a MS in Computer Science from the Illinois Institute of Technology in 1973. He received his Ph.D. in Applied Mathematics from the University of New Mexico in 1980. He worked at the Argonne National Laboratory until 1989, becoming a senior scientist. He now holds an appointment as University Distinguished Professor of Computer Science in the Electrical Engineering and Computer Science Department at the University of Tennessee, has the position of a Distinguished Research Staff member in the Computer Science and Mathematics Division at Oak Ridge National Laboratory (ORNL), Turing Fellow in the Computer Science and Mathematics Schools at the University of Manchester, and an Adjunct Professor in the Computer Science Department at Rice University.

He specializes in numerical algorithms in linear algebra, parallel computing, the use of advanced-computer architectures, programming methodology, and tools for parallel computers. His research includes the development, testing and documentation of high-quality mathematical software. He has contributed to the design and implementation of the following open source software packages and systems: EISPACK, LINPACK, the BLAS, LAPACK, ScaLAPACK, Netlib, PVM, MPI, NetSolve, Top500, ATLAS and PAPI. He has published approximately 200 articles, papers, reports and technical memoranda, and he is coauthor of several books. He was awarded the IEEE Sid Fernbach Award in 2004 for his contributions in the application of high performance computers using innovative approaches. He is a Fellow of the AAAS, ACM, and the IEEE and a member of the National Academy of Engineering.