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José A.B. Fortes

José A.B. Fortes is the AT&T Eminent Scholar and Professor of Electrical and Computer Engineering at the University of Florida where he founded and is the Director of the Advanced Computing and Information Systems Laboratory.

He received the B.S. degree in Electrical Engineering from the Universidade de Angola in 1978, the M.S. degree in Electrical Engineering from the Colorado State University, Fort Collins in 1981 and the Ph.D. degree in Electrical Engineering from the University of Southern California, Los Angeles in 1984.

His research interests are distributed computing, autonomic computing, computer architecture, parallel processing, and fault-tolerant computing.

Barbara Helland

Barbara Helland recently concluded her distinguished tenure as the Associate Director of the Advanced Scientific Computing Research (ASCR) program within the Office of Science. In addition to her role as Associate Director, she played a pivotal role in spearheading the Department's Exascale Computing Initiative, with the ambitious goal of delivering a capable Exascale system by 2021.

Ms. Helland's remarkable career within ASCR includes her prior position as the Director of the Facilities Division. Before assuming this leadership role, she served as the Program Manager for ASCR's Argonne and Oak Ridge Leadership Computing Facilities and the National Energy Research Scientific Computing Center (NERSC). Under her guidance, ASCR's facilities were made accessible to researchers across the nation, including those from the industry, through the expansion of the Department's Innovative and Novel Computational Impact on Theory and Experiment (INCITE) program.

Prior to her tenure at the Department of Energy (DOE), Ms. Helland's career encompassed the development and management of computational science educational programs at the Krell Institute. She also dedicated 25 years at Ames Laboratory, where she closely collaborated with nuclear physicists and physical chemists to create real-time operating systems and software tools, automating experimental data collection and analysis. She also played an instrumental role in the deployment and management of computational resources spanning the laboratory.

Ms. Helland is a highly accomplished individual who holds a B.S. in Computer Science and a M.Ed. in Organizational Learning and Human Resource Development, both earned at Iowa State University. Her contributions have left a lasting impact on the field of advanced scientific computing and research management.

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Elizabeth Leake

As the Director of Research Computing at Boise State University, Elizabeth Leake brings her extensive expertise as a high-performance computing (HPC) consultant, correspondent, and advocate to the forefront. Leake's contributions to the global HPC and data science industries have been widely recognized. Leake's academic background includes a BFA in graphic design earned at the University of Illinois.

In 2012, she took a pivotal step by founding STEM-Trek, a grassroots nonprofit organization with a global reach. STEM-Tre's mission revolves around providing valuable opportunities for scholarly travel and workforce development to aspiring science, technology, engineering, and mathematics (STEM) scholars from underserved and underrepresented regions.

Jeanine Cook

Dr. Jeanine Cook holds the position of Principal Member of Technical Staff at Sandia National Laboratories in Albuquerque, New Mexico. She is an integral part of the Scalable Architectures department at the Computer Science Research Institute, where her contributions in computer science research have earned her widespread recognition. Her expertise spans high-performance computing, performance characterization and modeling, hardware accelerator technologies, edge computing, large-scale system monitoring, data analytics, and her noteworthy efforts to diversify computer science for individuals with disabilities.

Dr. Cook is also celebrated for her role as a dedicated educator and mentor to students. She obtained her B.S. and pursued her master's degree at the University of Colorado, Boulder, before completing her Ph.D. in Electrical Engineering at New Mexico State University. Following her doctoral studies, she assumed the role of an associate professor at the same institution, where she successfully guided eight Ph.D. students and twelve master's thesis students to graduation.

Alongside her teaching responsibilities, Dr. Cook actively engaged in various diversity and inclusion initiatives, with a special focus on individuals with disabilities.

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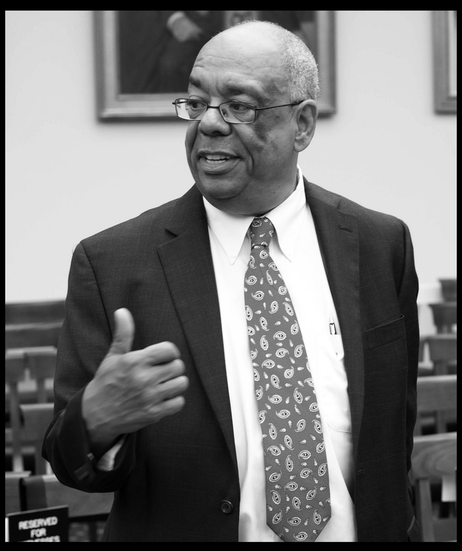
Mary Ann Leung

Mary Ann Leung is a nationally recognized leader known for her pioneering work in crafting and executing groundbreaking programs aimed at cultivating the future generation of STEM (science, technology, engineering, and mathematics) leaders. Her commitment to bridging students with the world of science is evident through her innovative and highly impactful initiatives. In 2014, she founded the Sustainable Horizons Institute, dedicated to expanding opportunities for underrepresented individuals in STEM fields.

With a background in computational chemistry, Dr. Leung is an accomplished researcher and prolific author. Her research focuses on the creation of scalable, parallel scientific codes for exploring quantum mechanical phenomena, alongside her dedication to advancing STEM education, workforce diversity, and inclusion.

Dr. Leung holds a Ph.D. and an M.S. in Computational Physical Chemistry from the University of Washington. She graduated with honors from Mills College, earning a B.A. in Chemistry with a Math minor.



Roscoe Giles

Dr. Roscoe Giles currently serves as the Deputy Director of the Center for Computational Science at Boston University. In addition to this role, he holds professorship in the Electrical and Computer Engineering department within the Boston University College of Engineering, with a shared appointment in the Department of Physics.

A trailblazer in the field of supercomputing, Dr. Giles made history in 2002 when he chaired the SC Conference in Baltimore, becoming the first African American to assume this prestigious position. In 2004, he continued to break barriers by becoming the first faculty member to join the BU board of trustees.

Beyond his academic and administrative roles, Dr. Giles is the visionary founder and executive director of the Institution of African American E-Culture, an organization committed to addressing the digital divide and ensuring equitable access to information technology for minority groups and underserved communities in the United States.

Dr. Giles embarked on his academic journey with a B.A. degree in physics from the University of Chicago, followed by the completion of M.S. and Ph.D. degrees in physics at Stanford University in 1973 and 1975, respectively. Significantly, he holds the distinction of being the first African American to earn a Ph.D. in physics from Stanford University. His research interests encompass advanced computing architectures, distributed and parallel computing, and advanced scientific computing.

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Valerie E. Taylor

Valerie E. Taylor, a fellow of IEEE and ACM, is the Director of the Mathematics and Computer Science Division at Argonne National Laboratory. She received her Ph.D. in electrical engineering and computer science from the University of California, Berkeley, in 1991. She holds a patent for her dissertation work on sparse matrices. She then joined the faculty in the Electrical Engineering and Computer Science Department at Northwestern University, where she was a member of the faculty for 11 years.

In 2003, she joined Texas A&M, where she served as head of the Computer Science and Engineering Department and Senior Associate Dean of Academic Affairs in the College of Engineering and a Regents Professor and the Royce E. Wisenbaker Professor in the Department of Computer Science.

Taylor is the CEO & President of the Center for Minorities and People with Disabilities in IT (CMD-IT). The organization seeks to develop the participation of minorities and people with disabilities in the IT workforce in the United States.

Susan L. Graham

Susan L. Graham is the Pehong Chen Distinguished Professor of Electrical Engineering and Computer Science Emerita at the UC Berkeley. She received an A.B. in Mathematics from Harvard University and M.S. and Ph.D. degrees in Computer Science from Stanford University. Her research spans many aspects of programming language implementation, software tools, software development, environments, and high-performance computing.

As a participant in the Berkeley Unix project, she and her students built the Berkeley Pascal system and the widely used program profiling tool gprof. Their paper on that tool was selected for the list of best papers from twenty years of the Conference on Programming Language Design and Implementation (1979-1999).

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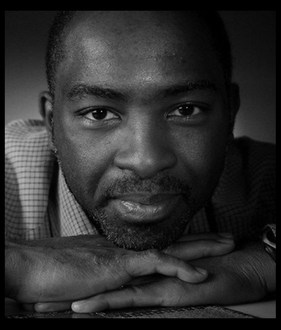

Oyekunle Olukotun

Oyekunle Olukotun is the Cadence Design Professor of Electrical Engineering and Computer Science at Stanford University. Olukotun is a pioneer in multicore processor design and the leader of the Stanford Hydra chip multiprocessor (CMP) research project. He founded Afara Websystems to develop high- throughput, low-power multicore processors for server systems. The Afara multi-core processor, called Niagara, was acquired by Sun Microsystems and now powers Oracle's SPARC-based servers. In 2017, Olukotun co-founded SambaNova Systems, a Machine Learning and Artificial Intelligence company, and continues to lead as their Chief Technologist.

Olukotun is the Director of the Pervasive Parallel Lab and a member of the Data Analytics tor What's Next (DAWN) Lab, developing infrastructure for usable machine learning. He is a member of the National Academy of Engineering, an ACM Fellow, and an IEEE Fellow for contributions to multiprocessors on a chip design and the commercialization of this technology. He also received the Harry H. Goode Memorial Award.

Olukotun received his Ph.D. in Computer Engineering from the University of Michigan.

Tom Davis

Tom Davis currently serves as the Assistant to the President at Navajo Technical University. With an impressive career spanning over four decades, Davis has dedicated himself to serving tribal colleges and universities (TCUs) with unwavering commitment. He has held leadership positions in six different TCUs, playing a pivotal role in the development of robust academic programs and the attainment of regional and national accreditation for many of these institutions.

Throughout his illustrious career, Davis has been a staunch advocate for TCUs to embrace and lead in the adoption of new and emerging technologies, aligning them with the objectives of the college, the local community, and the tribe. He has fostered valuable partnerships with leaders in technological innovation, including collaborations with the National Center for Supercomputing Applications at the University of Illinois at Urbana-Champaign and the San Diego Supercomputing Center at the University of California, San Diego. These strategic alliances have significantly contributed to enhancing TCUs' research infrastructure through technology-enabled initiatives.

Mr. Davis holds a bachelor's degree in English, History, and Education from the University of Wisconsin-Oshkosh, as well as a master's degree in environmental science and policy from the University of Wisconsin-Green Bay.