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Mary W. Hall

Mary W. Hall is the Kahlert School of Computing Director and Professor at the University of Utah. Prior to joining Utah, Hall was a Research Associate Professor in Computer Science at the University of Southern California. She received her B.A. in Computer Science and Matheamatics Sciences and her M.S. and Ph.D. in Computer Science from Rice University.

Hall has over 25 years of research experience with significant contributions to compiler optimization and performance tuning. She is an advocate for improving cultural and gender balance in CS academic programs and industry roles.

“There are times when you doubt yourself. We all have. Just remind yourself that you can do it and go find someone who will encourage you. I still need that. Everywhere I’ve worked, I built a network [of people like me] and we help each other.”

Francine Berman

Francine Berman received her Ph.D. in 1979 from the University of Washington. She is the Director of Public Interest Technology and Stuart Rice Honorary Research Professor in the College of Information and Computer Sciences at UMass Amerst.

Previously, at the University of California at San Diego (UCSD), Berman founded two laboratories – Parallel Computing Lab and Grid Computing Lab. The grid lab was known for the innovative AppLeS project, which explored the development of adaptive applications that could opportunistically self-schedule in distributed environments based on ambient load and performance projections.

In 2015, Berman was nominated by President Obama and confirmed by the U.S. Senate to become a member of the National Council on the Humanities.

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Marsha Berger

Marsha Berger earned a Ph.D. in Computer Science in 1982 from Stanford University, California. Her areas of research include numerical analysis, computational fluid dynamics, and high- performance parallel computing. She is a Silver Professor (emeritus) of Computer Science and Mathematicas in the Courant Institute of Mathematical Sciences of New York University.

She is Group Leader of Modeling and Simulation in the Center for Computational Mathematics at the Flatiron Institute. Berger was elected to the National Academy of Engineering in 2005 for developing adaptive mesh refinement algorithms and software that have advanced engineering applications, especially the analysis of aircraft and spacecraft.

Katherine Yelick

Katherine Yelick, ACM Fellow and recipient of the ACM-W Athena award, holds a joint research appointment at Berkeley Lab and UC Berkeley. She has been an Electrical Engineering and Computer Sciences professor at the UC Berkeley since 1991 and has held a joint research appointment at Berkeley Lab since 1996.

She currently serves as UC Berkeley's vice chancellor for research. Her research is in high performance computing, programming systems, parallel algorithms, and computational genomics. She is well known for her work in Partitioned Global Address Space languages, including co-inventing the Unified Parallel C (UPC) and Titanium languages.

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Juan C. Meza

Juan C. Meza, is currently serving as the Division Director at the National Science Foundation's Division of Mathematical Sciences. Prior to this position, he served as Dean of the School of Natural Sciences at the University of California, Merced. Juan also holds a position as Professor of Applied Mathematics, where his current research interests include nonlinear optimization with an emphasis on methods for parallel computing.

Prior to joining UC Merced, Juan served as Department Head and Senior Scientist for High Performance Computing Research at Lawrence Berkeley National Laboratory, where he led research programs in computational and data sciences. He held the position of Distinguished Member of the Technical Staff at Sandia National Laboratories and served as the manager of the Computational Sciences and Mathematics Research department before joining Berkeley Lab.

He has received numerous awards for earnestly promoting participation and contribution from scientists and mathematicians from marginalized communities of color.

Rosa Badia

Dr. Rosa Badia earned her Ph.D. in Computer Science in 1994 from the Technical University of Catalonia (UPC). She currently leads the Workflows and Distributed Computing research group at the Barcelona Supercomputing Center (BSC). Dr. Badia's primary research interests revolve around programming models designed for complex computing platforms, spanning from edge and fog computing to Clouds and large-scale high-performance computing (HPC) systems.

Under Dr. Badia's leadership, her research group at BSC has dedicated over a decade to developing the StarSs programming model, which has achieved significant success in adoption by application developers. At present, their focus has shifted towards PyCOMPSs/COMPSs, an evolution of the programming model tailored for distributed computing, including Cloud computing environments.

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Sarita V. Adve

Sarita V. Adve is the Richard T. Cheng Professor of Computer Science at the University of Illinois at Urbana-Champaign. She co-developed the memory models for the C++ and Java programming languages based on her early work on data- race-free (DRF) models. Adve's broader research interests are at the hardware/software interface and span the system stack from hardware to applications, with current focus on scalable system specialization and resiliency. She is also known for her innovations in cache coherence, hardware reliability, and power management.

She received her Ph.D. and M.S. degrees in Computer Science from the University of Wisconsin - Madison in 1993 and 1989 respectively, and the B.Tech. degree in Electrical Engineering from the Indian Institute of Technology - Bombay in 1987.

Susan Eggers

Dr. Susan Eggers, currently a Professor of Computer Science and Engineering, joined the University of Washington's Department of Computer Science and Engineering in 1989. Her academic journey includes the completion of a B.A. in 1965 from Connecticut College and the attainment of a Ph.D. in 1989 from the University of California, Berkeley.

Dr. Eggers' research interests center around computer architecture and back-end compiler optimization, with a particular focus on experimental performance analysis. Her significant contributions to the field include pioneering work alongside her colleague Hank Levy and their dedicated students. Together, they developed the first commercially viable multithreaded architecture, known as Simultaneous Multithreading, which was later adopted by major tech giants such as Intel (marketed as Hyperthreading), IBM, Sun, and others. This groundbreaking achievement earned them the prestigious 2010 ISCA "test-of-time" award, highlighting the enduring impact of their innovative work.

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Linda Petzold

Linda Petzold is the Mehrabian Distinguished Professor in the Mechanical Engineering and Computer Science Department at the UC Santa Barbara. She received a B.A. degree in Mathematics and Computer Science in 1974 from the University of Illinois at Urbana-Champaign (UIUC) and a Ph.D. in Computer Science from UIUC in 1978. Her research focuses on modeling, simulation and data analytics for multiscale systems in biology, engineering and medicine.

She is best known for her pioneering work on the numerical solution of differential-algebraic equations (DAEs). Her software, DASSL and its successor DASPK for the numerical solution of DAEs, are widely used throughout science, engineering and technology.

Mary Lou Soffa

Mary Lou Soffa is the Owen R. Cheatham Professor of Sciences in the Computer Science Department at the University of Virginia, serving as the Department Chair from 2004 to 2012. From 1977 to 2004, she was a Professor of Computer Science at the University of Pittsburgh and served as the Dean of Graduate Studies in the College of Arts and Sciences for five years. Her research interests include cloud computing, warehouse scale computers, software systems for multi-core architectures, optimizing compilers, software testing, and program analysis. She is also noted for her leadership in broadening participation in computing. She has directed 32 Ph.D. students to completion, half of whom are women.

She received a B.S. degree in Mathematics from the University of Pittsburgh with honors magna cum laude and Phi Beta Kappa. She received an M.S. degree in Mathematics from Ohio State University and a Ph.D. in Computer Science from the University of Pittsburgh.

"My research impacts the performance, reliability and security of software systems. As I teach programming type courses, students learn how to program in different programming languages and to write high quality and dependable code."