

2007 LEAD National Leadership Workshop Speakers Biographies

Sylvia T. Bozeman

Professor, Mathematics, Spelman College

Sylvia T. Bozeman is co-founder and co-director (with Rhonda Hughes) of Enhancing Diversity in Graduate Education (EDGE), a national transition program for women entering graduate school in mathematics. Dr. Bozeman earned the B.S. degree from Alabama A. & M. University, the M.A. from Vanderbilt University and the Ph.D. from Emory University, all in mathematics. She is a Professor of Mathematics at Spelman College (Atlanta, GA) where her previous administrative roles have included Mathematics Department Chairperson and Associate Provost for Science and Mathematics. In these roles and in the administration of several grant-funded programs she has taken a particular interest in undergraduate research and mentoring with a goal of increasing the number of women and people from under-represented minority groups who earn graduate degrees and pursue successful careers in science, mathematics, and engineering,

Ana Mari Cauce

Executive Vice Provost and Earl R. Carlson Professor of Psychology, University of Washington

Ana Mari Cauce graduated from the University of Miami, earning degrees in English Literature and in Psychology in 1977, before going on to Yale University, where she earned her doctoral degree in Psychology, with a concentration in Child Clinical and Community Psychology. She began teaching at the University of Washington in 1986. She currently holds the position of Executive Vice Provost, She is also Earl R. Carlson Professor of Psychology and has a joint appointment in the Department of American Ethnic Studies. She is the recipient of numerous awards, including recognition from the American Psychological Association for Excellence in Research on Minority Issues, the Distinguished Contribution Award in Theory and Research from the Society for Community Psychology and the University of Washington's Distinguished Teaching Award.

Terri Fiez

Director, School of Electrical Engineering and Computer Science, Oregon State University

Terri S. Fiez is Director of the School of Electrical Engineering and Computer Science at Oregon State University. She has been involved in leadership roles a variety of IEEE activities including serving on the committees for the IEEE International Solid-State Circuits Conference, IEEE Custom Integrated Circuits Conference, ISCAS, as a guest editor of the Journal of Solid-State Circuits and associate editor of Transactions of Circuits and Systems II. Dr. Fiez was previously awarded the NSF Young Investigator Award, the Solid-State Circuit Predoctoral Fellowship, and the 2006 IEEE Education Activities Board Innovative Education Award. She is a Fellow of the IEEE. Her research interests are in the design of high performance analog signal processing building blocks, simulation and modeling of substrate coupling effects in mixed-signal ICs, and innovative engineering education approaches.

She received the B.S. and M.S. in Electrical Engineering in 1984 and 1985, respectively, from the University of Idaho, Moscow. In 1990, she received the Ph.D. degree in Electrical and Computer Engineering from Oregon State University, Corvallis. From 1985 to 1987 and in 1988 she worked at Hewlett-Packard Corp. in Boise and Corvallis, respectively. From 1990-1999, Dr. Fiez was an assistant and associate professor at Washington State University. In the fall of 1999, Prof. Fiez joined the Department of Electrical and Computer Engineering at Oregon State University as Professor and department head. In 2003, the ECE and CS departments were merged and Dr. Fiez was named the first Director of EECS.

Cheryl Kaiser

Assistant Professor in the Department of Psychology at the University of Washington

Cheryl R. Kaiser earned a Ph.D. in Psychology from the University of Vermont, and, prior to joining the University of Washington faculty, was a Postdoctoral Fellow at University of California, Santa Barbara and an Assistant Professor at Michigan State University. Dr. Kaiser's research interests include stigma, prejudice, the self, and stress and coping. She is also interested in the application of this research for law and legal processes.

Dr. Kaiser has published over 20 papers in respected outlets in her field, including *Journal of Experimental Social Psychology*, *Journal of Personality and Social Psychology*, *Personality and Social Psychology Bulletin*, and *Psychological Science*. Her research has received funding from both the National Institute of Mental Health and the National Science Foundation. She is a member of the Society of Experimental Social Psychology and is currently serving on the editorial boards for *Personality and Social Psychology Bulletin* and *British Journal of Social Psychology*.

Christopher J. Loving

Author, founder and president of Loving Leadership™ and the Leadership Institute For Tomorrow (LIFT), and former University of Washington ADVANCE Visiting Scholar

Christopher J. Loving has over 25 years of experience developing and teaching new models of leadership. He has worked with hundreds of organizations (educational, Fortune 500, nonprofit) in the United States and in Europe and is frequently invited to partner with a wide range of audiences through keynote addresses, training programs, and coaching relationships. Past partnerships include the University of Michigan, University of Washington, Northwestern University, Washington University in St. Louis, Case Western Reserve University, Brandeis University, Deloitte Touche Tohmatsu, Anheuser-Busch Companies, Inc., Associated Press, National Conference for Community and Justice, and many others.

In the educational sector over the last 20 years, Chris has coached and advised trustees, presidents, provosts, deans, department chairs, faculty, directors, administrators and students, developed and facilitated a series of leadership conversations that have improved the climate and effectiveness of their organizations and designed and presented programs that feature a leadership curriculum for department chairs, postdoctoral associates, and graduate students. He has also created and presented diversity programs for over 20 years and trained trainers on how to more effectively develop and teach diversity-training programs in a variety of settings.

Matthew O'Donnell

Frank & Julie Jungers Dean of Engineering, University of Washington

Following his graduate work, Dr. O'Donnell moved to Washington University in St. Louis, MO as a postdoctoral fellow in the Physics Department working on applications of ultrasonics to medicine and non-destructive testing. He subsequently held a joint appointment as a Senior Research Associate in the Physics Department and a Research Instructor of Medicine in the Department of Medicine at Washington University. In 1980 he moved to General Electric Corporate Research and Development Center in Schenectady, NY, where he continued to work on medical electronics, including MRI and ultrasound imaging systems. During the 1984-1985 academic year, he was a visiting fellow in the Department of Electrical Engineering at Yale University in New Haven, CT investigating automated image analysis systems. In 1990, Dr. O'Donnell became a Professor of Electrical Engineering & Computer Science at the University of Michigan in Ann Arbor, MI. Starting in 1997, he held a joint appointment as Professor of Biomedical Engineering. In 1998, he was named the Jerry W. and Carol L. Levin Professor of Engineering. From 1999-2006, he also served as Chair of the Biomedical Engineering Department. During 2006, he moved to the University of Washington in Seattle, WA where he is now the Frank and Julie Jungers Dean of Engineering and also a Professor of Bioengineering. His most recent research has explored new imaging modalities in biomedicine, including elasticity imaging, *in vivo* microscopy, optoacoustic arrays, optoacoustic contrast agents for molecular imaging and therapy, thermal strain imaging, and catheter based devices.

Marjorie Olmstead

Professor of Physics, University of Washington

Marjorie Olmstead is Professor of Physics and Adjunct Professor of Chemistry at the University of Washington, Seattle, where she also directs the interdisciplinary Nanotechnology Ph.D. Program. Before joining the UW faculty in 1991, she was an Assistant Professor at the University of California, Berkeley, and a Faculty Scientist at the Lawrence Berkeley National Laboratory. Between receiving her Ph.D. from UC Berkeley Physics (1985) and joining the faculty there, she was a Member of the Research Staff at the Xerox Palo Alto Research Center. Prof. Olmstead's research centers on the formation of interfaces between dissimilar materials and the intrinsic properties of the resultant nanostructures, with particular interest in materials that add potential optical or magnetic functionality to silicon-based systems. Prof. Olmstead received the 1994 Peter Mark Memorial Award of the American Vacuum Society (now AVS) and the 1996 Maria Goeppert Mayer Award of the American Physical Society (APS), and is a fellow of both the APS and AVS. In 2000 she received an Alexander von Humboldt Research Award, and she has twice received the UW Society of Physics Students Undergraduate Teaching Award. She currently serves on the Leadership Team of the UW ADVANCE program and on UW's Faculty Council on Women in Academia; she is principal investigator of the NSF/NCI funded IGERT: Building leadership for the nanotechnology workforce of tomorrow. She chaired the APS Committee on the Status of Women in Physics in 1999 and co-developed a joint physics/women studies course on Issues for Ethnic Minorities and Women in Science and Engineering and an associated public lecture series stressing information, positive examples and action agendas.

Robert Page

Founding Director and Foundation Professor of Life Sciences at the Arizona State University

Professor Page is the Founding Director and Foundation Professor of Life Sciences at the Arizona State University. After retiring from the University of California at Davis, where he served as Chair of the Department of Entomology, he took on responsibilities at the Arizona State University to build and grow a new School of Life Sciences. Since his arrival three years ago he has hired more than 20 excellent new faculty. His research is on the evolution of honey bee social behavior and sex determination, resulting in numerous publications on the behavioral genetics of division of labor and foraging specialization, and recently the identification of the primary gene responsible for haplodiploidy in honey bees. Professor Page is author of 200 research papers and book chapters, books, and edited books. He is an elected Fellow of the American Academy of Arts and Sciences.

Mark Smith

Head, School of Electrical and Computer Engineering, and Michael J. & Katherine R. Birck Professor, Purdue University

Mark J.T. Smith received the B.S. degree from MIT, and Masters and Ph.D. degrees from Georgia Tech, all in electrical engineering. He joined the electrical engineering faculty at Georgia Tech in 1984 and later served as the Executive Assistant to the President of Georgia Tech from 1997 until 2001. In January, 2003, he joined the faculty at Purdue University as Head of the School of Electrical and Computer Engineering where he holds the Michael J. & Katherine R. Birck endowed professorship.

Dr. Smith is a Fellow of the IEEE, a former IEEE Distinguished Lecturer in Signal Processing, and the 2005 recipient of the SPIE Wavelet Pioneer Award. He has authored many publications in the areas of speech and image processing, filter banks, and wavelets, including two introductory books on signal processing, a textbook on image processing, and an edited book on filter banks and wavelets.

Smith currently serves as the 2007-08 President of the Electrical and Computer Engineering Department Heads Association (ECEDHA).