

2005 National Leadership Workshop Speakers **Biographies**

Martha M. Bosma

Assistant Professor, Biology, University of Washington

Dr. Bosma attended McGill University in Montreal as an undergraduate in Neurobiology and Comparative Physiology, and then obtained her Ph.D. in the Physiology Department at UCLA. After post-doctoral work on modulation of ion channels in the laboratory of Dr. Bertil Hille (Physiology and Biophysics, UW) and mutagenesis of ion channels in the laboratory of Dr. Bruce Tempel (Pharmacology, UW), she joined the faculty of the Zoology (now Biology) Department here at UW.

Ana Mari Cauce

Earl R. Carlson Professor and Chair, Psychology, University of Washington

Ana Mari Cauce graduated from Yale University, earning a Ph.D. in Psychology in 1984. She began teaching at the University of Washington in 1986 in the Department of Psychology. She also has a joint appointment in the Department of American Ethnic Studies and an adjunct appointment in Women's Studies. Cauce currently holds the Earl R. Carlson Professorship in Psychology and is Chair of the Department of Psychology.

Since she began her graduate work, Cauce has been particularly interested in normative and non-normative development in ethnic minority youth and in at-risk youth more generally. She has published almost a hundred articles and chapters and has been recipient of grants from the W.T. Grant Foundation, the National Institute of Mental Health, the National Institute of Child Health and Human Development, and the National Institute of Alcoholism, and Alcohol Abuse.

She is the recipient of numerous awards, including Recognition from the American Psychological Association for Excellence in Research on Minority Issues; Distinguished Contribution Awards from the Society for Community Research and Action; and the American Psychological Association Minority Fellowship program. She has also received the University of Washington's Distinguished Teaching Award. Cauce is currently President-Elect of the Society for Community Research and Action.

Robert Drago

Professor, Labor Studies and Women's Studies, the Pennsylvania State University, and Professorial Fellow, University of Melbourne.

Often introduced as "the leading figure in work/family research," he holds a Ph.D. in Economics from the University of Massachusetts at Amherst, and has been a Senior Fulbright Research Scholar. He moderates the work/family newsgroup on the internet (lsir.la.psu.edu/workfam). Recent research concerns biases against caregiving in the workplace, working time, the value of work-family policies, and includes studies of college and university faculty and of public policies around work and family, funded by the Alfred P. Sloan Foundation. Most recently, in conjunction with Jackie Rogers and Theresa Vescio, he has begun research on the relative decline of women as intercollegiate coaches, with funding from the NCAA and NACWAA. He is president elect for 2006 of the College and University Work/Family Association, a co-founder of the Take Care Net, the 2001 recipient of the R.I. Downing Fellowship from the University of Melbourne (Australia), serves on the board of the Berger Institute for Work, Family and Children, is a member of the Council on Contemporary Families and the International Association for Feminist Economics, and serves on the advisory board for the Ms. Foundation's *Take Our Daughters and Sons to Work* day.

Marc Goulden

Principal Research Analyst, UC Berkeley

Marc Goulden is a nationally recognized expert on work and family issues among tenure-track faculty. He has a PhD from the University of Wisconsin Madison (1995), with a focus on the diversity and life course of students and faculty in college and university settings.

His most recent work (since January of 2001) has been with Mary Ann Mason (Dean of the Graduate Division) on the "Do Babies Matter Project." Using data from the Survey of Doctorate Recipients (sponsored by NSF and others)—one of the best national longitudinal data bases on career and family outcomes (1973 to the present)—Mason and Goulden have examined the relationship between gender, family, and career outcomes; and the effect of academic careers on family outcomes among men and women PhDs. The project has already resulted in several papers that have garnered national attention (and many more are on the way) and the *Chronicle of Higher Education* recently profiled Goulden as one of *Higher Education's Next Generation of Thinkers*.

Their current agenda also includes an Alfred P. Sloan funded implementation project: The UC Faculty Family Friendly Edge (<http://ucfamilyedge.berkeley.edu>). This project involves the development of a set of system-wide policy and program recommendations aimed at giving the University of California a competitive advantage by improving the work and family lives of its tenure-track faculty. It consists of both (1) increasing the use of existing family friendly policies and programs—which have been under-utilized because of lack of knowledge and fear of policy use—and, (2) implementing new family friendly initiatives.

Anthony G. Greenwald

Professor, Psychology and Adjunct Professor, Marketing & International Business, University of Washington

Anthony G. Greenwald received his BA from Yale College in 1959 and his PhD from Harvard University in 1963. Before moving to the University of Washington, he was a faculty member at Ohio State University from 1965 to 1986.

Greenwald's research of the last decade has developed new methods that have led to discovery and documentation of unconscious and automatic processes in human cognition. Some of the revelations generated by one of these new methods, the Implicit Association Test (IAT), is the focus of his presentation at this Workshop.

Greenwald has published over 140 scholarly articles and has served on editorial boards of major journals, including a period as Editor of *Journal of Personality and Social Psychology*. He is a fellow of the *American Association for the Advancement of Science* and the *Society of Experimental Psychologists* and has received the Donald T. Campbell Award for research career contributions from the *Society of Personality and Social Psychology*. Greenwald's research has been supported by a series of research grant awards from the *National Science Foundation* and the *National Institute of Mental Health*.

Dawn E. Lehman

Assistant Professor, Civil and Environmental Engineering, University of Washington

Dawn Lehman received her bachelor's degree in Civil Engineering from Tufts University and her Master of Engineering and Ph.D. degrees in Civil and Environmental Engineering from the University of California, Berkeley. She joined the faculty at the University of Washington in 1998. Her research interests include performance-based seismic design and evaluation of bridges and buildings with an emphasis on using experimental research methods and developing design and evaluation procedures for engineering practice. Current research areas include development of improved connections in steel braced frame and concrete-filled tube construction, method to predict damage in seismic-resisting bridge columns, and performance-based seismic engineering methods for structural walls.

Mary Lidstrom

Associate Dean for New Initiatives, College of Engineering, Frank Jungers Professor of Chemical Engineering and Professor of Microbiology, University of Washington

In addition to serving as the Associate Dean for New Initiatives for the University of Washington College of Engineering, Dr. Lidstrom is a Professor of Microbiology and holds the Frank Jungers Chair of Engineering, in the Department of Chemical Engineering, at the University of Washington, Seattle. She received her B.S. in Microbiology from Oregon State University. After receiving her M.S. and Ph.D. in Bacteriology from the University of Wisconsin, Dr. Lidstrom conducted work as a Leverhulme postdoctoral Fellow in Microbiology at the University of Sheffield. Dr. Lidstrom has previously held academic appointments in Microbiology at the University of Washington, in the Center for Great Lakes Studies in Milwaukee, Wisconsin, and in Environmental Engineering Science at the California Institute of Technology. She currently is a fellow of the American Academy of Microbiology and serves on the editorial boards of the Journal of Bacteriology and FEMS Microbial Ecology. In 2003 Dr. Lidstrom received the Howard Hughes Medical Institute Professor Award for learning at the Life Sciences/Engineering boundary.

Christopher J. Loving

Founder, Loving Leadership™ and 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 and is frequently invited to speak with a wide range of audiences through keynote addresses, training programs, and individual consultations. Past partnerships include Deloitte Touche Tohmatsu, Anheuser-Busch Companies, Inc., Associate Press Sports Editors, Brandeis University, University of Michigan, Northwestern University, The College of William and Mary, National Conference for Community and Justice, and many others.

In the educational sector over the last 20 years, Loving has coached and advised deans, department chairs, faculty, directors, administrators and students and facilitated a series of leadership conversations that have improved the climate of their organizations. He has also designed 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.

In 1986 he founded Loving Leadership™, a company “committed to forming partnerships with people and organizations to make the fundamental changes that will create effective and sustained organizational, community and global solutions.” Loving Leadership™ works with educational institutions, Fortune 500 companies and nonprofit organizations in the United States and Europe. Through this organization, Loving works with a wide range of people in formats ranging from coaching relationships with individual leaders to department and university-wide initiatives, from local organizations to national associations and from assembly-line workers to boards of trustees.

Deb Niemeier

Professor, Civil and Environmental Engineering, University of California, Davis.

She joined UC Davis in 1994 as an Assistant Professor after completing her Ph.D. at the University of Washington. Her research focuses on the theory and methods of modeling used for estimating vehicle emissions at local and regional air quality scales. Working with an interdisciplinary research group of graduate students, post-doctoral scholars, and faculty collaborators, she has published more than 100 journal articles and book chapters and has 13 Ph.D. students who have completed their studies. She recently completed a term as Dept. Chair. She currently serves as the Director of the John Muir Institute, a center of excellence for research and outreach programs related to the biological, physical, and human environment, and Associate Vice Chancellor in the Office of Research at UC Davis. She is also the Director of the UC Davis-Caltrans Air Quality Project, a state and federally funded research program aimed at improving vehicle emissions modeling and developing regulatory responses for state and local agencies.

Dr. Niemeier's other activities include teaching and outreach. She is particularly interested in developing leadership opportunities for women in engineering. She was the principal investigator (PI) for the 1st Women in Engineering Leadership Conference sponsored by the National Science Foundation (NSF) and is currently PI on an NSF Leadership Grant examining the demographics and administrative aspects associated with department chairs of major research universities. Dr. Niemeier is a member of the American Association for the Advancement of Science, the American Society of Civil Engineers, and the Transportation Research Board. She is a trained mediator, has served on several National Research Council committees, and is a member of the graduate faculty in the departments of Computer Science and Electrical and Computer Engineering and is a member of the Ecology and Geography Graduate Groups at UC Davis.

David Notkin

Bradley Professor and Chair, Computer Science & Engineering, University of Washington

David Notkin has been on the faculty at the University of Washington in the Department of Computer Science & Engineering since 1984, currently serving as Chair (2001-2006) and Warren Francis and Wilma Bradley Professor (2002-2007). He received the Sc.B. from Brown University (1977), and the Ph.D. from Carnegie-Mellon University (1984). Notkin received an NSF Presidential Young Investigator Award (1988), was named an ACM Fellow (1998), and received the University of Washington Distinguished Graduate Mentor Award (2000). He served as chair of ACM SIGSOFT (1997-2001), as program chair of the 1993 ACM SIGSOFT Symposium on the Foundations of Software Engineering and as program co-chair of the 1995 International Conference on Software Engineering.

Marjorie Olmstead

Professor, 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 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 structural and electronic 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. She currently serves on the Leadership Team of the UW ADVANCE program, and chaired the APS Committee on the Status of Women in Physics in 1999. She 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.

Douglas Richstone

Professor and Chair, Astronomy, University of Michigan

Douglas Richstone has worked at the University of Michigan since 1980. He has held brief concurrent appointments at the National Observatory of Japan, the Institute for Advanced Study and the Institute for Theoretical Physics at UC Santa Barbara, and as a Guggenheim Fellow.

Richstone received a B.S. with honors in Astronomy from Caltech in 1971 and a Ph.D. in Astrophysics from Princeton University in 1975. His most active current research activities include dynamics of galaxy centers and the demographics, formation and evolution of massive black holes. He is the leader of the "Nukers", an international collaboration of 15 scientists studying the nuclei of galaxies, and a member of the LISA (Large Interferometry Space Antenna) Science Team. He maintains interests in the estimation of cosmological parameters and formation and evolution of clusters of galaxies.

His service activities over the last decade include the State of Ohio Physics and Astronomy Review of Ph.D. Programs, member of the Space Telescope Institute Council (STIC), the Gemini Project Oversight Committee, American Astronomical Society and Dynamical Division Prize Committees and the DDA council, the AURA (Association of Universities for Research in Astronomy) Board of Directors, the NASA Space Science Advisory Committee. He has served as chair of the STIC and of the NASA Astronomy and Physics Working Group.

Eve A. Riskin

Professor, Electrical Engineering and Director, UW ADVANCE Center for Institutional Change, University of Washington

Eve A. Riskin received the B.S. degree in Electrical Engineering from M.I.T., and the M.S. degrees in Electrical Engineering and Operations Research, and the Ph.D. degree in Electrical Engineering, all from Stanford University. Since September 1990, she has been at the University of Washington where she is now Professor of Electrical Engineering and Director of the ADVANCE Center for Institutional Change. Her research interests include image compression, image processing, and issues related to women in SEM. She was awarded the National Science Foundation Young Investigator Award in 1992 and the Sloan Research Fellowship in 1994.

Joyce Yen

Program/Research Manager, ADVANCE Center for Institutional Change, University of Washington

Joyce W. Yen received her M.S. and Ph.D. in Industrial and Operations Engineering from the University of Michigan, Ann Arbor. She received her B.S. in Mathematics from the University of Nebraska-Lincoln. Her research interests include decision-making and resource allocation under uncertainty (stochastic programming), faculty and graduate student professional development, and women in science and engineering issues. Dr. Yen was previously an assistant professor in Industrial Engineering at the University of Washington, Seattle and is currently the Program/Research Manager for the University of Washington's NSF-funded ADVANCE Center for Institutional Change.

As Program/Research Manager, Dr. Yen executes an array of initiatives addressing programmatic goals of the organization and sponsoring agency, namely to increase the participation of women in the sciences, engineering, and mathematics (SEM). Dr. Yen interacts with 21 target departments in the College of Engineering and the College of Arts and Sciences as well as with the broader UW community (including the Graduate School, the Provost's Office, the Office of Minority Affairs, and other campus units), and 18 other NSF ADVANCE institutions nationwide to (1) address issues affecting women faculty, (2) spearhead efforts to advance women faculty in SEM at UW, and (3) develop accountability networks for institutional change to ensure advancement of SEM women.