



WOMEN IN OPTICS

PRESENTS

How did you negotiate your salary?

How did you decide between industry and academia?

Should I ask about maternity leave?



LAUNCHING YOUR CAREER



University of Rochester & Corning
Julie Bentley



North Carolina State University
Gigi Karmous-Edwards



University of California Los Angeles
Diana Huffaker



Norfolk State University
Arlene Maclin



Aerospace Research
Iwona Palusinski

RSVP and submit panel questions by 9/7
to Sara Landau slandau@optics.arizona.edu



TRIF Imaging
TRIF Photonics



date
THURSDAY
9/10/09

location
ARIZONA INN time
10:30 PANEL
12:00 LUNCH

Women in Optics (WIO) has invited successful female scientists, both in industry and academia, to speak with OSC female students to gain insight, advice, and mentorship. The goal of this event is for the participating students to feel more confident and informed concerning their career choices.



**Women In Optics
presents:
Launching
Your Career**

*A panel discussion and luncheon with
highly accomplished female scientists
from academia and industry*

September 10, 2009

Sponsors:



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wio@optics.arizona.edu
www.optics.arizona.edu/wio

Diana Huffaker, Ph.D.

Professor Diana Huffaker is an Associate Professor of Electrical and Engineering at the University of California at Los Angeles. She also directs the Integrated NanoMaterials Lab within the California Nanosystems Institute (CNSI) at UCLA. Her research interests include directed and self-assembled nanostructure synthesis, optoelectronic devices including solar cells and III-V/Si photonics. Professor Huffaker has co-authored over 140 refereed journal publications and many invited presentations world-wide. She is an IEEE Fellow, 2004 Alexander von Humboldt Fellow and 2002 Compound Semiconductor International Symposium Young Scientist Award Recipient. She is also an inaugural recipient of the DoD NSSEFF award. She is an active participant in the technical community with appointments in IEEE/LEOS, SPIE, SWE, WISE, MRS, OSA and TMS and involved in local and national community outreach programs. She is an elected member of the IEEE/LEOS Board of Governors and IEEE WIE Region 6 chairman.



Julie Bentley, Ph.D.

Dr. Julie Bentley is an associate professor in optics at the University of Rochester. She received her B.S. degree in Optics from the The Institute of Optics, University of Rochester in 1990. She also received her MS and PhD from The Institute of Optics, University of Rochester. Her PhD thesis focused on the integration of the design and manufacture of gradient-index optical systems. After graduating she spent two years at Hughes Aircraft Co. in California designing optical systems for the defense industry and then twelve years at Corning Tropol Corporation in Fairport, New York designing and manufacturing precision optical assemblies such as microlithographic inspection systems. She started teaching at the University of Rochester in 1998. Her main teaching interests include geometrical optics, optical design, and tolerancing.



Arlene P. Maclin, Ph.D.

Arlene P. Maclin is president and founder of NovaLink, Inc, a female-owned technical consulting and research company that provides technical proposal development services to the National Academy of Science, American Association for the Advancement of Science, NSF, NASA a number of universities, non-profit organizations and international clients. Dr. Maclin has worked in the field of energy development as a congressional fellow with the Congressional Office of Technology Assessment for a number of alternative energy reports. Dr. Maclin is a physicist by training and has spent the past 30 years in a



combination of academic and government service positions. Her academic service includes more than 15 years of teaching at the levels of associate and full professors with

administrative experience at the level of an associate dean of a college of arts and science, and a director of research. She has also served as the Director of several major research grants in excess of \$10M each. She has developed numerous science education programs for K-20 students. She currently serves as the lead for Diversity for an NSF-ERC or the Center for Integrated Access Networks with the University of Arizona that was funded in 2008.

Dr. Maclin is a visionary leader in the development of innovative science and engineering research programs. She has spearheaded numerous initiatives that have increased opportunities for under-represented minorities in fields of science, technology, engineering and mathematics

Iwona A. Paulusinski, Ph.D.

Iwona A. Paulusinski received her BS degree in optical engineering from the University of Arizona and her MS and PhD degrees from the University of Arizona Optical Sciences Center. As an undergraduate and graduate student, she participated in outreach programs and in 2002 was a co-founder of Girls Learning Academic and Science skills (GLASS) at OSC.



She was a research scientist at Jackson and Tull where she worked on integration and testing of small satellites. Currently she is a senior project engineer at The Aerospace Corporation. She is an expert on space qualification of new optical materials with an emphasis on silicon carbide. She is a principal investigator on the Materials on International Space Station Experiment (MISSE 6 – 8) and collaborates with scientists in industry and at national laboratories. She has chaired sessions at international conferences and given invited papers.

Gigi Karmous-Edwards, M.S.

Gigi Karmous-Edwards is an Adjunct at NCSU in Computer Science; She has been active in research projects on the control and management of optical networks in Grid environments while at MCNC as Principal Scientist for over 7 years. She has published numerous papers and co-authored a Book in that area. She served as PI of NSF seed-funded large-scale international collaborative project, Enlightened Computing (research project on virtualization of Grid resources for E-science applications). She is currently a co-PI for a DARPA project entitled ERON. She is also co-chair of Technical and Control plane working group of the “Global Lambda Infrastructure Facility” (GLIF). Co-editor and co-author of a recent Wiley book “GridNetworks”, published July, 2006. Served on technical advisory board of EU’s EARNEST study for Geant2 and LONI. She was chair of GridNets 2005.

Served on organizing committee of Broadnets 2007, 2008. She organized and chaired two International workshops for “Optical Control Plane for the Grid



Community,” in 2004. She received her

B.S. in Chemical Engineering, and her M.S. in Electrical Engineering, from NCSU and currently enrolled in a PhD program. She is a member of IEEE.