

***2004 Presidential Early Career Awards for
Scientists and Engineers (PECASE)
Recognition Ceremony***



PROGRAM

Tuesday, June 14, 2005

- 9:30 a.m. Reception**
- 10:00 a.m. Welcoming Remarks:**
Arden L. Bement, Jr., NSF Director
- 10:15 a.m. Introduction of Awardees:**
Donald E. Thompson, Assistant Director, EHR
- 10:25 a.m. Guest Speaker:**
Christine Ortiz, MIT
- 10:55 a.m. Introduction of Awardees & Presentations:**
2004 PECASE Awardees
- 11:45 a.m. Closing Remarks:**
Joseph Bordogna, NSF Deputy Director

**The National Science Foundation
Stafford II - Room 555
4201 Wilson Boulevard
Arlington, Virginia 22230**

National Science Foundation 2004 PECASE Awardees

Derrick T. Brazill, City University of New York-Hunter College

Donna L. Maney, Emory University

Russell S. Schwartz, Carnegie-Mellon University

David V. Anderson, Georgia Institute of Technology

Elaine Chew, University of Southern California

Shalinee Kishore, Lehigh University

ChengXiang Zhai, University of Illinois at Urbana-Champaign

Becky W. Packard, Mount Holyoke College

Michael A. Bevan, Texas A&M University

Martin L. Culpepper, Massachusetts Institute of Technology

Michael J. Garvin II, Columbia University

Jennifer A. Jay, University of California, Los Angeles

Jun Jiao, Portland State University

Wei Li, University of Washington

Paul H. Barber, Boston University

Frank L. H. Brown, University of California, Santa Barbara

Daniel J. Mindiola, Indiana University

Sean Gavin, Wayne State University

Oscar D. Dubon, University of California, Berkeley

Marianella Casasola, Cornell University

Guest Speaker - Dr. Christine Ortiz
Associate Professor
Department of Materials Science and Engineering
Massachusetts Institute of Technology
Cambridge, MA



Rensselaer Polytechnic Institute, B.S. 1993
Cornell University, M.S. 1995, Ph.D. 1997
NSF-NATO Postdoctoral Fellow 1997-1999
Associate Professor of Materials Science and Engineering, MIT 1999
NSF CAREER and PECASE Award 2002

The focus of Dr. Ortiz's research program is on ultrastructure and nanomechanics of biological, biomedical, and biomimetic materials with the primary goal being to quantify and understand the fundamental nanoscale structure-property relationships responsible for material function and dysfunction. Currently, she has 18 active group members and has had a total of 50 past and present group members representing 8 different academic departments. She has given ~100 invited lectures including 20 international lectures in 10 countries and 6 Gordon Research Conferences. Dr. Ortiz is the author of over 30 publications including papers in 9 peer-reviewed journals. Her research was recently featured in Physics Today, Science News, and on the cover of the Journal of Structural Biology. Her research has been funded by NSF-CAREER, NSF-NIRT, Dupont, 3M, MIT Institute for Soldier Nanotechnologies, the Whitaker Foundation, and the Cambridge-MIT Alliance.

