

Department of Materials Science & Engineering
Spring 2004 Distinguished Lecture Series

TIME: Fridays 1pm (except where noted)
 PLACE: Rm. 2110 Chemical and Nuclear Eng. Building

Dan Gammon (Jan. 30) Naval Research Lab	“Optically Probing and Controlling a Quantum Dot”
(Feb. 6)	No Seminar
Gottlieb Oehrlein (Feb. 13) Materials Science and Eng. Dept. University of Maryland	“Mechanistic Studies of Fluorocarbon Discharges for Nanoscale Patterning of SiO ₂ and Nanoporous Silica Thin Films”
Stephen Stranick (Feb. 20) National Institute of Standards and Technology	“Chemical Imaging with NSOM”
Michael S. Fuhrer (Feb. 27) Dept. of Physics University of Maryland	“Nanotube Nanoelectronics”
Scott Walton (March 5) Naval Research Lab	“Plasma Characterizations and Materials Processing in NRL’s Large Area Plasma Processing System”
(March 12)	No Seminar
Mike Hill (March 19) Trans-Tech, Inc.	“Review of New Developments in Materials for Thermal Barrier Coatings”
Jay Senkevich (April 2) Rensselaer Polytechnic Institute	“Control of Chemistry at Nanostructured/Metal Interfaces via Palladium Atomic Layer Deposition”
Jianfang Wang (April 5) University of California-Santa Barbara	“Structures and Functions of Mesoporous Materials”
Peter Votruba-Drzal (April 9) NIST	“The Origins of Mechanical Strength and Elasticity of Acrylic Block Copolymer Gels”
Byron Gates (April 16) Harvard University	“Nanostructured Materials by Design: Development of a New Toolbox”
Patricia M. Mooney (<u>Thurs.</u> , April 22)* IBM T. J. Watson Research Center	“SiGe/Si Structures for Strained Si Devices”
Susan Z. Hua (April 23) Bio-MEMS and Biomaterials Laboratory Department of Mechanical and Aerospace Eng. State University of New York at Buffalo	“Microfluidic Lab-Chip for High Throughput Drug Screening and Toxicity Detection”
Eric Benck (April 30) National Institute for Standards and Technology	“Sub-millimeter Absorption Diagnostics for Plasma Processing”
Mathias Lösche (May 7) Johns Hopkins University Dept. of Biophysics, Baltimore, MD, and CNBT at the NIST Center for Neutron Research, Gaithersburg, MD	“Biofunctionalized Interfaces – X-Ray and Neutron Scattering Investigations of Biomembrane Mimics”