

Graduate Student Finalists Compete at 1994 MRS Fall Meeting

Thirty finalists will compete for the MRS Graduate Student Awards, to be presented on Wednesday evening, November 30, at the 1994 MRS Fall Meeting in Boston. The winners will be honored at a special ceremony, along with recipients of the 1994 Von Hippel, MRS Medalist, and Turnbull Lectureship awards.

Graduate Student Award Finalists, all authors or co-authors of papers to be presented at the Fall Meeting, were selected on the basis of the quality and thoroughness of their research, the originality and independence of their contributions, and their promise for future achievement in materials research.

During special sessions beginning at 12 noon on Monday, November 28, the finalists will give brief talks explaining their research to a panel of judges who will select the award recipients. Among the judges will be organizers from the symposia in which the finalists are participating, members of the MRS Awards Committee, and other MRS representatives. MRS Fall Meeting participants are also invited to attend.

The following list identifies the finalists, their places of study, the titles of their papers, and the symposium or symposia in which each is participating.

Graduate Student Award Finalists— 1994 MRS Fall Meeting

Maher S. Amer, Drexel University, "Effect of Temperature on Water Absorption and Interfacial Degradation in Graphite/Epoxy Single-Filament Composites Using Laser Raman Spectroscopy" (Symposium R)

Kristi S. Anseth, University of Colorado, "Structural Evolution of Highly Cross-linked Polymer Networks" (Symposium B1)

Rina Chowdhury, North Carolina State University, "Growth and Defect Morphology in Heteroepitaxial Cu/TiN/Si Structures Produced by Laser Physical Vapor Deposition" (Symposium B1) and "Growth of Diamond Films by CVD on Near Net Shape Fabricated β -SiC/TiC Composites, Synthesized Using SHS" (Symposium M)

Sarah Cullen, University of Cambridge, "HREM Lattice Image Simulations of Circular Cross-Sectional Multishell Carbon Nanotubes" (Symposium G)

Corrine L. Curtis, University of California-San Diego, "Properties of Conducting Polymer Interconnects" (Symposium P)

Rajiv Datta, Rutgers University, "Synthesis and Characterization of Rare-Earth-Doped Sulfide Glasses for Active Fiber Optic Devices" (Symposium Za)

Noa Eizenberg, Tel Aviv University, "Molecular Motion through a Fluctuating Bottleneck" (Symposium N)

Sue Feng, Purdue University, "Growth of Oriented Nanometer Channel Structures on Organic Thin Films" (Symposium S)

Martin Fleuster, Institut für Schicht und Ionentechnik, "Competing Columnar Solid Phase Epitaxy and Random Nucleation and Growth of Erbium Implanted LiNbO_3 " (Symposium Za)

Rachel S. Goldman, University of California-San Diego, "Effects of Substrate Misorientation on Anisotropic Properties of InGaAs Grown by Molecular Beam Epitaxy" (Symposium D)

Uwe Hessinger, University of Washington, "Kinetic Control in Epitaxial Growth: Chemisorption to Heteroepitaxy to Homoepitaxy in $\text{CaF}_2/\text{Si}(111)$ " (Symposium D)

Nicola A. Hill, University of California-Berkeley, "Electronic Properties of Si Nanocrystals" (Symposium F) and "Calculation of the Excited State Properties of Semiconductor Nanocrystals" (Symposium Oa)

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Bryan D. Huey, University of Pennsylvania, "Observation and Characterization of Electric Fields at Grain Boundaries" (Symposium C)

Pawel Keblinski, Pennsylvania State University, "Morphology and Surface Structure of Thin Films" (Symposium B1)

Elaine R. Kleinfeld, Lehigh University, "Solution-Phase Preparation of Nanostructural Multilayers" (Symposium U)

Daniel D. Lee, Massachusetts Institute of Technology, "Local Geometry of Surfactant Monolayers and Surface Ordering in a Microemulsion System" (Symposium BB)

Wu Li, Simon Fraser University, "Lithium Intercalation from Aqueous Solution" (Symposium U)

Melanie P. Lutz, University of California-Berkeley, "Effect of the Interfacial Transition Zone on the Elastic Modulus of Concrete" (Symposium Vb)

James B. Miller, Carnegie Mellon University, "Effect of Prehydrolysis on the Textural and Catalytic Properties of Titania-Silica Aerogels" (Symposium T)

Guarionex Morales, Boston University, "In Situ Studies of Ordering in FeCo Alloys" (Symposium AA)

Deirdre L. Olynick, University of Illinois at Urbana-Champaign, "In Situ Ultra-High-Vacuum Transmission Electron Microscopy Studies of Nanocrystalline Copper" (Symposium Ja)

Jallepally Ravi, North Carolina State University, "Athermal Annealing of Self Ion Implantation Damage in Silicon Via *In Situ* Photoexcitation" (Symposium Y)

V. Ravikumar, Northwestern University, "Electron Spectroscopy and Interferometry of Electroceramic Interfaces" and "Structure of Surfaces and Grain Boundaries in SrTiO₃" (Symposium C)

Robert M. Strongin, University of Pennsylvania, "Neutron Scattering Study of C₆₁H₂" and "C₇₁H₂ Cyclopropanes and Annulenes" (Symposium G)

Sriram Swaminarayan, University of Michigan, "Elastic Properties and Segregation Behavior of Very Thin Binary Films" (Symposium B2) and "Phase Diagram of Au-Pt Mesoscale Atomic Clusters" (Symposium N)

Jens von Behren, University of Rochester, "Preparation, Properties and Applications of Free-Standing Porous Silicon Films" (Symposium F)

Boris V. Vuchic, Northwestern University, "Direct Correlation of Transport Properties and Microstructure in Y₁Ba₂Cu₃O_{7-x} Thin-Film Grain Boundaries" (Symposium C) and "Sputter-Induced Y₁Ba₂Cu₃O_{7-x} 45° [001] Tilt Grain Boundaries on MgO: Transport Properties and Atomic Scale Structure" and "Microstructure of a Superconductor-Normal-Superconductor Josephson Junction" (Symposium H)

Thomas Walther, University of Cambridge, "Detection of Random Alloy Fluctuations in High-Resolution Transmission Electron Micrographs" (Symposium D)

Jianming Wen, Iowa State University, "Surface Diffusion of Large Ag Clusters on Ag(100)" (Symposium B1)

Mike Wong, University of Illinois at Urbana-Champaign, "Sonochemically Produced Hemoglobin Microbubbles" (Symposium W2)

MRS

January 13, 1995
is the Deadline for Submitting
Graduate Student Award Applications
for the 1995 MRS Spring Meeting.

For application forms
and information, contact:

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