



2011 MRS FALL MEETING

November 28-December 2 • Boston, MA



CALL FOR PAPERS

Abstract Deadline • June 21, 2011

MATERIALS RESEARCH SOCIETY
Advancing materials. Improving the quality of life.



SYMPOSIA

ENERGY AND THE ENVIRONMENT

- A Material Challenges in Current and Future Nuclear Technologies
- B Advanced Materials for Fuel Cells
- C *In Situ* Studies of Solid-Oxide Fuel-Cell Materials
- D Sustainable Synthesis of Nanomaterials
- E Advanced Materials for Solar-Fuel Generation
- F Mobile Energy
- G Applications of Hierarchical 3D Structures
- H Organic Photovoltaic Devices and Processing
- I Fundamental Processes of Solar Harvesting in Excitonic Solar Cells
- J Photonic and Plasmonic Materials for Enhanced Photovoltaic Performance
- K Materials for High-Performance Photonics

FUNCTIONAL MATERIALS

- L Topological Insulator Materials
- M Oxide Semiconductors—Defects, Growth, and Device Fabrication
- N Diamond Electronics and Biotechnology—Fundamentals to Applications V
- O Compound Semiconductors for Generating, Emitting, and Manipulating Energy
- P Ferroelectric and Multiferroic Materials
- Q Magnetoelectric Composites
- R Compliant Electronics and Photonics
- S Solution Processing of Inorganic and Hybrid Materials for Electronics and Photonics
- T Large-Area Processing and Patterning for Active Optical and Electronic Devices III
- U Charge Generation/Transport in Organic Semiconductor Materials
- V Multifunctional Polymer-based Materials
- W Phonons in Nanomaterials—Theory, Experiments, and Applications
- Y Advances in Energetic Materials Research

NANOMATERIALS

- Z Functional Metal-Oxide Nanostructures
- AA Carbon Nanotubes, Graphene, and Related Nanostructures
- BB Functional Nanowires and Nanotubes
- CC Functional Semiconductor Nanocrystals and Metal-Hybrid Structures
- DD Transport Properties in Polymer Nanocomposites II
- EE Self Organization and Nanoscale Pattern Formation
- FF Mechanical Nanofabrication, Nanopatterning, and Nanoassembly
- GG Safety and Toxicity Control of Nanomaterials

BIOMATERIALS

- HH Bioelectronics—Materials, Properties, and Applications
- II BioMEMS—Materials and Devices
- JJ Nanofunctional Materials, Nanostructures, and Nanodevices for Cancer Applications
- KK Biomaterials for Tissue Regeneration
- LL Synthetic and Biological Gels
- MM Micro- and Nanoscale Processing of Biomedical Materials
- NN Nucleation and Growth of Biological and Biomimetic Materials
- OO Multiscale Mechanics of Hierarchical Materials

MATERIALS EXPLORATION

- PP Three-Dimensional Tomography of Materials
- QQ Functional Imaging of Materials—Advances in Multifrequency and Multispectral Scanning Probe Microscopy and Analysis
- RR Dynamics in Confined Systems and Functional Interfaces
- SS Properties and Processes at the Nanoscale—Nanomechanics of Material Behavior
- TT Microelectromechanical Systems—Materials and Devices V
- UU Combinatorial and High-throughput Methods in Materials Science

MEETING CHAIRS

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