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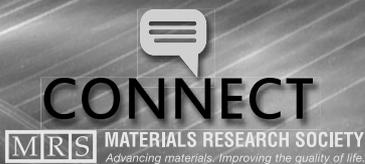
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The Materials Research Society (MRS) and Cambridge University Press proudly announce the launch of a new website dedicated to materials science news, **Materials360 Online**.

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- Materials for nanophotonics and plasmonic devices
- Theory and simulation of materials
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- Nanocrystal growth, structures and properties, including nanowires and nanotubes
- Nanoscale semiconductors for new electronic and photonic applications
- New materials synthesis, templating and assembly methods
- New topics in metals, alloys and transformations
- Novel and *in-situ* characterization methods
- Novel catalysts and sensor materials
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- Quantum matter
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2012
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November 25 – 30
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REGISTRATION OPENS MID-SEPTEMBER

MATERIALS FOR ENERGY TECHNOLOGIES

- A Compliant Energy Sources
- B Thermoelectric Materials Research and Device Development for Power Conversion and Refrigeration
- C Electrocatalysis and Interfacial Electrochemistry for Energy Conversion and Storage
- D Energy-Critical Materials
- E Photovoltaic Technologies—Materials, Devices, and Systems
- F Oxide Thin Films for Renewable Energy Applications
- G Materials as Tools for Sustainability
- H Small-Molecule Organic Solar Cells
- I Functional Materials for Solid Oxide Fuel Cells
- J Materials Aspects of Advanced Lithium Batteries
- K Hierarchically Structured Materials for Energy Conversion and Storage

SOFT MATERIALS AND BIOMATERIALS

- L Biomimetic Nanoscale Platforms, Particles, and Scaffolds for Biomedical Applications
- M Bioinspired Directional Surfaces—From Nature to Engineered Textured Surfaces
- N Precision Polymer Materials—Fabricating Functional Assemblies, Surfaces, Interfaces, and Devices
- O Next-Generation Polymer-based Organic Photovoltaics
- P Single-Crystalline Organic and Polymer Semiconductors—Fundamentals and Devices
- Q Functional and Responsive Materials Exploiting Peptide and Protein Self-Assembly
- R Fundamentals of Assembly in Biomolecular and Biomimetic Systems
- S Directed Self-Assembly for Nanopatterning
- T Membrane Material Platforms and Concepts for Energy, Environment, and Medical Applications
- U Colloidal Crystals, Quasicrystals, Assemblies, Jammings, and Packings

FUNCTIONAL MATERIALS AND NANOMATERIALS

- V Geometry and Topology of Biomolecular and Functional Nanomaterials
- W Carbon Nanomaterials
- Y Combustion Synthesis of Functional Nanomaterials
- Z Oxide Semiconductors
- AA Oxide Nanoelectronics and Multifunctional Dielectrics
- BB Recent Advances in Optical, Acoustic, and Other Emerging Metamaterials
- CC Optically Active Nanostructures
- DD Group IV Semiconductor Nanostructures and Applications

- EE Diamond Electronics and Biotechnology—Fundamentals to Applications VI
- FF Semiconductor Nanowires—Optical and Electronic Characterization and Applications

STRUCTURAL AND ADVANCED MATERIALS

- GG Mechanical Behavior of Metallic Nanostructured Materials
- HH Advances in Materials for Nuclear Energy
- II Atomic Structure and Chemistry of Domain Interfaces and Grain Boundaries
- JJ Intermetallic-based Alloys—Science, Technology, and Applications
- KK Complex Metallic Alloys
- LL Scientific Basis for Nuclear Waste Management XXXVI
- MM Materials under Extreme Environments
- NN Structure-Property Relations in Amorphous Solids
- OO Properties, Processing, and Applications of Reactive Materials

SYNTHESIS, CHARACTERIZATION, AND MODELING METHODS

- PP Frontiers of Chemical Imaging—Integrating Electrons, Photons, and Ions
- QQ Materials Informatics
- RR Advanced Multiscale Materials Simulation—Toward Inverse Materials Computation
- SS Quantitative *In situ* Electron Microscopy
- TT Defects and Microstructure Complexity in Materials
- UU Scanning Probe Microscopy—Frontiers in Nanotechnology
- VV Advanced Materials Exploration with Neutrons and Synchrotron X-Rays
- WW Roll-to-Roll Processing of Electronics and Advanced Functionalities
- XX Materials and Concepts for Biomedical Sensing
- YY Low-Voltage Electron Microscopy and Spectroscopy for Materials Characterization

GENERAL

- ZZ Communicating Social Relevancy in Materials Science and Engineering Education
- AAA The Business of Nanotechnology IV

The second annual **E-MRS/MRS Bilateral Conference on Energy** will be composed of the energy-related symposia at the 2012 MRS Fall Meeting.

www.mrs.org/fall2012

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August 13-17, 2012
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2013 MRS Spring Meeting & Exhibit
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The Society's interdisciplinary approach to the exchange of technical information is qualitatively different from that provided by single-discipline professional societies because it promotes technical exchange across the various fields of science affecting materials development. MRS sponsors three major international annual meetings encompassing many topical symposia, as well as numerous single-topic scientific meetings each year. It recognizes professional and technical excellence, conducts tutorials, and fosters technical exchange in various local geographical regions through Section activities and Student Chapters on university campuses.

MRS publishes symposia proceedings, the *MRS Bulletin*, and other volumes on current scientific developments. The *Journal of Materials Research*, the archival journal spanning fundamental developments in materials science, is published twenty-four times a year by Cambridge University Press for the MRS. *MRS Communications* is a full-color letters and perspectives journal focused on groundbreaking work across the spectrum of materials research.

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MRS is an Affiliated Society of the American Institute of Physics and participates in the international arena of materials research through associations with professional organizations such as the International Union of Materials Research Societies.

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