

Preview: XIX International Materials Research Congress 2010 August 15–19, 2010 • Cancun, Mexico

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The XIX International Materials Research Congress 2010, to be held on August 15–19, 2010 in Cancun, Mexico, is a joint meeting of the Sociedad Mexicana de Materiales (MRS-Mexico) and the Materials Research Society (MRS). The Meeting Chairs are **Luis Enrique Sansores Cuevas** (Instituto de Investigaciones en Materiales), **Miguel Contreras** (National Renewable Energy Laboratory), **Darrell Schlom** (Cornell University), and **Miguel Jose Yacamán** (University of Texas—San Antonio). The Congress will tentatively feature 25 symposia, some of which will be co-organized by MRS and MRS-Mexico. The Meeting includes oral and poster presentations, tutorials, and exhibitors.

Plenary lectures will be given by Michele Parrinello (ETH Zürich), "The Well-Tempered Ensemble"; Jeffrey Brinker (Sandia National Laboratories/University of New Mexico), "Engineered Biotic/Abiotic Materials and Interfaces for Understanding and Controlling Biology"; Shiv N. Khanna (Virginia Commonwealth University), "Novel Nanoscale Materials with Controllable Functionalities: Controlling Electronic, Chemical and Magnetic Properties via Super-Orbitals"; Donald R. Paul (University of Texas at Austin), "Thin Glassy Polymer Films: Membrane Applications"; and P.N. Kumta, "Nanomaterials—The Elixir to Energy Storage." Luis Fernando Magaña Solís (Universidad Nacional Autónoma de México) will present the Science Luncheon on "The Fascinating, Powerful and Ludic Mayan Mathematics."

The list of tentative symposia is as follows (* designates symposia co-organized by MRS and MRS-Mexico):

- Nanostructured Materials and Nanotechnology
- Theory and Computer Simulation of Materials
- Structural and Chemical Characterization of Metals Alloys and Compounds
- Advanced Structural Materials
- New Trends in Polymer Chemistry and Characterization
- Biomaterials
- Ecomaterials and Climate Change
- Composite and Hybrid Materials
- Advances in Semiconducting Materials
- Strategies for Academy–Industry Relationships
- New Catalytic Materials
- NACE: Corrosion and Metallurgy
- *In Situ* Microscopy and Spectroscopy of Large Surfaces and Interfaces*
- Photon Absorption for Solar Energy Harvesting*
- Photovoltaics, Solar Energy Materials, and Technologies*
- Renewable Energy and Sustainable Development*
- Domain Engineering in Ferroic Systems*
- Ferroelectric and Piezoelectric Materials, Devices, and Applications*
- Solid State Chemistry of Inorganic Materials*
- Materials and Devices for Flexible Electronics*
- Nanomaterials for Biomedical Applications*
- Graphene*
- Nanostructure Applications in Cross-over Scientific and Technology Fields*
- Advancing Materials through Scattering and Spectroscopy*

For additional information on the meeting, contact MRS Member Services, Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573, USA; e-mail info@mrs.org, tel. 724-779-3003, and fax 724-779-8313. Access Web sites for updated information at www.mrs-mexico.org.mx/imrc2010 or www.mrs.org/imrc_2010.



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