

Preview: 2010 MRS Spring Meeting

Moscone West and San Francisco Marriott Hotel, San Francisco, Calif.

Meeting: April 5–9 • Exhibit: April 6–8

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2010
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SPRING
MEETING

Meeting Chairs:

Anne C. Dillon

National Renewable Energy Laboratory

Robin W. Grimes

Imperial College London

Paul C. McIntyre

Stanford University

Darrin J. Pochan

University of Delaware

The 2010 Materials Research Society Spring Meeting will be held April 5–9, 2010 in San Francisco, Calif. The technical meeting and exhibits will be located at the Moscone West Convention Center, and will include 42 symposia. To complement the scientific sessions, tutorials will provide a detailed introduction to particularly exciting areas of research, Symposium X on Frontiers of Materials Research will feature topics at the forefront of materials science and engineering, and the Equipment Exhibit will showcase products of interest to the materials community.

The scientific sessions will include many new and developing areas of materials research as well as some well-established and popular topics. The cluster on **Functional Materials** (comprising Symposia A–M) focuses on electronic materials and devices, plasmonics, sensing, semiconductor processing, superconductors, and perovskites. The cluster on **Nanomaterials** (comprising Symposia N–V) contains the production and characterization of oxides, nanowires, particles, sheets, and tubes, along with their applications in photovoltaic, optical, or electronic devices. The cluster on **Energy Materials** (comprising Symposia W–HH) is diverse in symposia dealing with energy production in nuclear materials, thermoelectrics, fuel cell mem-

branes, and organic and inorganic photovoltaics. Energy storage in batteries as well as fundamental energy materials issues such as defects and charge transport in photovoltaic materials, new computational, and characterization approaches will also be covered. The cluster on **Soft/Biomaterials** (comprising Symposia II–QQ) has a strong emphasis in materials construction through molecular assembly mechanisms with a variety of molecules (such as peptides, DNA, and polymers), spanning the nanoscale through the micro- and macroscale, using a variety of techniques such as evaporative and directive assembly versus self-assembly, for a variety of technologies such as biomedicine, energy, and electronics.

New this year, MRS is holding a one-day Technology Innovation Forum, organized by Michael F. Durstock of the Air Force Research Laboratory and John Benner of the National Renewable Energy Laboratory. The focus of this forum is to bring together materials technologists, industrial-base representatives, and venture capitalists interested in facilitating the transition of technologies related to materials developments for alternative power and energy devices and systems. The Forum will create an environment where the correct contacts with regard to technology needs and transfer are made on all sides to foster future communication, innovation, and partnerships.

An awards ceremony will be held at which this year's Outstanding Young Investigator will be recognized, MRS Fellows will be honored, and Gold and Silver Graduate Student Awards will be presented to graduate students for symposium papers that exemplify significant and timely research. The recipient of the new Innovations in Materials Characterization award will also be recognized. This new award, endowed by Gwo-Ching Wang and Toh-Ming Lu, honors an outstanding advance in materials characterization that notably increases the knowledge of the structure, composition, *in situ* behavior under outside stimulus, electronic, mechanical, or chemical behavior, or other characterization feature, of materials.

Poster sessions will be held in the Marriott Hotel on Tuesday through Thursday evenings from 8:00 p.m. to

11:00 p.m. The meeting chairs will sponsor a Best Poster Award competition, selecting recipients each night on the basis of the posters' technical content, appearance, graphic excellence, and presentation quality.

Government-sponsored seminars on topics of interest to the broad materials community are planned. MRS will also host a Career Center; services offered to attendees include access to current job postings, a resume file for prospective employers, and on-site interview opportunities.

Graduate students and members of MRS University Chapters are invited to attend the student mixer reception. Also, chapter officers and faculty advisors are invited to attend a meeting of MRS University Chapter representatives to compare notes on recent activities and brainstorm on new projects and issues of common concern. Those interested in starting new chapters are welcome.

See the following pages for a list of tutorials, exhibitors, information on registration, childcare grants, and hotels. International travelers are reminded to begin the visa process early. The date, time, and location of various special events will be updated on the MRS Web site at www.mrs.org/S10.

This year, immediately preceding the Meeting will be the MRS Workshop on Nanocontacts and Nanointerconnects, organized by A. Alec Talin (National Institute of Standards and Technology), Saif Islam (University of California, Davis), and King-Ning Tu (University of California, Los Angeles). The Workshop will be held on April 5, 2010 in the Moscone West in San Francisco, Calif. Stan Williams of HP Labs is the plenary speaker. See details at Web site www.mrs.org/nano10.

For additional information on the Spring 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. The deadline to preregister for the Spring Meeting (and the MRS Workshop) is **March 19, 2010**. The MRS Web site can be accessed for updated information on confirmed talks and details on special events, visas, and preregistration at www.mrs.org/S10.

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