2014 ECS and SMEQ Joint International Meeting



226th Meeting of The Electrochemical Society

XXIX Congreso de la Sociedad Mexicana de Electroquímica

7th Meeting of the Mexico Section of The Electrochemical Society

Call for **Papers**

CANCUN Mexico Moon Palace Resort



For the full Cancun, Mexico, Call for Papers, see the ECS website: www.electrochem.org/meetings/biannual/226/.

General Information

The 2014 ECS and SMEQ (Sociedad Mexicana de Electroquímica) Joint International Meeting with the will be held from October 5-10, 2014. This major international conference offers a unique blend of electrochemical and solid-state science and technology; and serves as a major forum for the discussion of interdisciplinary research from around the world through a variety of formats, such as oral presentations, poster sessions, exhibits, and tutorial sessions.

Abstract Submission and Deadlines

Abstracts are due no later than March 28, 2014.

Note: Some abstracts may be due <u>earlier</u> than March 28, 2014. Please carefully check the symposium listings for any alternate abstract submission deadlines. For complete details on abstract submission and symposia topics, please see www.electrochem.org.

Submit one original meeting abstract electronically via www.electrochem. org, no later than **March 28, 2014**. Faxed abstracts, e-mailed abstracts, and late abstracts will not be accepted. In June 2014, all presenting authors will receive an e-mail from ECS headquarters office notifying them of the date, time, and location of their presentation. Only presenting authors with non-U.S. addresses will receive a hardcopy acceptance letter. Other hardcopy letters will be sent only upon request to abstracts@electrochem.org.

Meeting abstracts should explicitly state objectives, new results, and conclusions or significance of the work. Regardless of whether you submit as a poster or an oral presentation, it is at the Symposium Organizers' discretion whether it is scheduled for an oral or poster presentation. Programming for this meeting will occur in April-May 2014. Check the ECS website for further program details.

Paper Presentation

All authors selected for either oral or poster presentations will be notified in June 2014. Oral presentations must be in English. Both LCD projectors and laptops will be provided for oral presentations. **Presenting authors MUST bring their presentation on a USB flash drive to be used with the laptop that will be provided in each technical session room.** If a presenting author would like to use his/her own laptop for presentation, we strongly suggest that the author verify laptop/projector compatibility in the presentation room prior to the start of the session or all other presentations. Speakers requiring additional equipment must make written request to the ECS headquarters office at least one month prior to the meeting and appropriate arrangements will be worked out, subject to availability, and at the expense of the author. Poster presentations should be displayed in English, on a board approximately 3 feet 10 inches high by 3 feet 10 inches wide (1.17 meters high by 1.17 meters wide), corresponding to the abstract number and day of presentation in the final program.

Manuscript Publication

ECS Meeting Abstracts—<u>All</u> meeting abstracts will be published on the ECS website, copyrighted by ECS, and all abstracts become the property of ECS upon presentation.

ECS Transactions—all full papers presented at ECS meetings are eligible for submission to the online proceedings publication, *ECS Transactions* (ECST). Each meeting is represented by a "volume" of ECST, and each symposium is represented by an "issue." Some symposia will publish their issue to be available for sale "AT" the meeting. Please see each individual symposium listing in this Call for Papers to determine if there will be an "AT" meeting issue. In the case of "AT" meeting symposia, submission to ECST is mandatory, and required in advance of the meeting.

Some symposia will publish their issue to be available "AFTER" the meeting, and all authors are encouraged to submit their full papers. To determine acceptance in ECST, all submitted manuscripts will be reviewed, either by the symposium organizers or by the ECST Editorial Board. After the meeting, all accepted papers in ECST will be available for sale, either individually, or by issue. Please visit the ECST website (ecsdl.org/ECST/) for additional information, including overall guidelines, deadlines for submissions and reviews, author and editor instructions, a manuscript template, and much more.

Authors presenting papers at ECS meetings, and submitting to ECST, are encouraged to submit to the Society's technical journals: the *Journal of The Electrochemical Society, ECS Journal of Solid State Science and Technology, ECS Electrochemistry Letters*, or *ECS Solid State Letters*. Although there is no hard deadline for the submission of these papers, it is considered that six months from the date of the symposium is sufficient time to revise a paper to meet the stricter deadlines of the journals. "Instructions to Authors" are available from the ECS headquarters office, the journals, or the ECS website.

If publication is desired elsewhere after presentation, written permission from ECS is required.

Financial Assistance

Financial assistance is very limited and generally governed by the symposium organizers. Individuals may inquire directly to the symposium organizers of the symposium in which they are presenting their paper to see if funding is available.

Letter of Invitation

Individuals requiring an official letter of invitation should write to the ECS headquarters office; such letters will not imply any financial responsibility of ECS. Students seeking financial assistance should consider awarded travel grants listed elsewhere in this Call for Papers.

Hotel Reservations Deadline September 5, 2014

The 2014 ECS and SMEQ Joint International Meeting will be held at the allinclusive Moon Palace Resort, Carretera Cancun-Chetumal Km. 340, Cancun, Quintana Roo, CP. 77500, Mexico. Please refer to the meeting website for the most up-to-date information on hotel availability and information about the block of rooms where special rates have been reserved for participants attending the meeting. **The hotel reservation deadline is September 5, 2014.** Please refer to the ECS website (www.electrochem.org) for rates and reservations.

Meeting Registration

All participants—including authors and invited speakers—are required to pay the appropriate registration fees. Hotel and meeting registration information will be posted on the ECS website (www.electrochem.org) as it becomes available. The deadline for discounted early-bird registration is September 5, 2014.

Short Courses

A number of short courses will be offered on Sunday, October 5, 2014 from 8:30 AM-4:30 PM. Short Courses **require advance registration** and may be cancelled if enrollments are too low. As of press time, the following Short Courses are planned for the meeting: Basic Impedance Spectroscopy; Fundamentals of Electrochemistry: Basic Theory and Thermodynamic Methods; Grid Scale Energy Storage; and More than Moore Technologies: Device, Circuit, and System Perspectives. Please check the ECS website for the final list of offerings.

Technical Exhibit

The 2014 ECS and SMEQ Joint International Meeting will also include a Technical Exhibit, featuring presentations and displays by over 40 manufacturers of instruments, materials, systems, publications, and software of interest to meeting attendees. Coffee breaks are scheduled in the exhibit hall along with evening poster sessions. Please see the ECS website for further details.

Sponsorship Opportunities

ECS biannual meetings offer a wonderful opportunity to market your organization through sponsorship. Sponsorship opportunities include unparalleled benefits and provide an extraordinary chance to present scientific products and services to key constituents from around the world. Sponsorship allows exposure to key industry decision makers, the development of collaborative partnerships, and potential business leads.

ECS welcomes support in the form of general sponsorship at various levels: Platinum: \$10,000+, Gold: \$5,000, Silver: \$3,000, and Bronze: \$1,500. Sponsors will be recognized by level in *Interface*, the Meeting Program, meeting signage, on the ECS website, and in the mobile app. In addition, sponsorships are available for the plenary and keynote talks and other special events. These opportunities include additional recognition, and may be customized to create personalized packages. Special event sponsorships will be assigned by the Society on a first-come, first served basis. Advertising opportunities—in the Meeting Program as well as in *Interface*—are also available. Please contact Christie Knef at 1.609.737.1902, ext. 121, or see the ECS website for further details.

Contact Information

If you have any questions or require additional information, contact ECS, 65 South Main Street, Pennington, New Jersey, 08534-2839, USA, tel: 1.609.737.1902, fax: 1.609.737.2743, e-mail: meetings@electrochem.org; Web: www.electrochem.org.

Symposium Topics

| Δ | Ratteries and Energy Storage |
|------------|--|
| Δ1 <u></u> | Batteries and Energy Technology Joint General Session |
| Δ2 <u></u> | Batteries Revond Lithium Ion |
| A3 — | Electrochemical Canacitors: Fundamentals to Applications |
| A.4 | Electrochemical Interfaces in Energy Storage Systems |
| Λ4 — | Lithium-Ion Battariae |
| A6 — | Nano-architectures for Next-Generation Energy Storage Technologies |
| A7 | |
| A8 — | Solar Fuels and Photocatalysts 4 |
| Δ9 — | Stationary and Large-Scale Electrical Energy Storage Systems 4 |
| B — | Chemical and Biological Sensors |
| B1 — | Chemical Sensors 11. Chemical and Biological Sensors and Analytical Systems |
| B2 — | Microfabricated and Nanofabricated Systems for MEMS/NEMS 11 (Chemical and Biological Sensors) |
| c — | Corrosion Science and Technology |
| C1 — | Corrosion General Session |
| C2 — | Electrochemical Techniques and Corrosion Monitoring |
| C3 — | High Resolution Characterization of Corrosion Processes 4 |
| C4 — | High Temperature Corrosion |
| D — | Electrochemical/Electroless Deposition |
| D1 — | Electrodeposition for Energy Applications 3 |
| D2 — | Electrochemical Science and Technology: Challenges and Opportunities in the Path from Invention to Product |
| D3 — | Magnetic Materials, Processes, and Devices 13 |
| D4 — | Surface Treatments for Biomedical Applications 4 |
| E — | Electrochemical Engineering |
| E1 — | Characterization of Electrochemical Reactors: Fluid Dynamics and Current Distribution |
| E2 — | Electrochemical Treatments for Organic Pollutant Degradation in Water and Soils |
| E3 — | Symposium in Honor of Professor Ralph E. White |
| F — | Fuel Cells, Electrolyzers, and Energy Conversion |
| F1 — | Thermal Energy Harvesting |
| F2 — | Solid State Ionic Devices 10 |
| F3 — | Polymer Electrolyte Fuel Cells 14 (PEFC 14) |
| G — | Organic and Bioelectrochemistry |
| G1 — | Bioelectroanalysis and Bioelectrocatalysis 2 |
| H — | Physical and Analytical Electrochemistry, Electrocatalysis, and Photoelectrochemistry |
| H1 — | Physical and Analytical Electrochemistry General Session |
| H2 — | Chemically Modified Electrodes |
| H3 — | Electrochemistry in Nanospaces 2 |

| H4 — | Electrode Processes 9 |
|------------------------------------|---|
| H5 — | Liquid–Liquid Electrochemical Interfaces |
| H6 — | Molten Salts and Ionic Liquids 19 |
| H7 — | Oxygen Reduction Reactions |
| H8 — | Systems Electrochemistry |
| M — | Carbon Nanostructures and Devices |
| M1— | Nanocarbon Fundamentals and Applications: From Fullerenes to Graphene |
| N — | Dielectric Science and Materials |
| N1 — | Thermal and Plasma CVD of Nanostructures and Their Applications |
| P — | Electronic Materials and Processing |
| P1 — | Atomic Layer Deposition Applications 10 |
| P2 — | Electrochemistry in Organic Electronic Materials: Synthesis, Analysis, and Applications |
| P3 — | High Purity and High Mobility Semiconductors 13 |
| P4 — | Plasma Processing 20 |
| P5 — | Processing Materials of 3D Interconnects, Damascene, and Electronics Packaging 6 |
| P6 — | Semiconductor Wafer Bonding 13: Science, Technology, and Applications |
| P7 — | SiGe, Ge, and Related Compounds: Materials, Processing, and Devices 6 |
| P8 — | Thermoelectric and Thermal Interface Materials |
| P9 — | Transparent Conducting Materials for Electronic and Photonics |
| Q — | Electronic and Photonic Devices and Systems |
| Q1 — | Emerging Nanomaterials and Devices |
| Q2 — | Fundamentals and Applications of Microfluidic and Nanofluidic Devices 2 |
| Q3 — | GaN and SiC Power Technologies 4 |
| Q4 — | Low-Dimensional Nanoscale Electronic and Photonic Devices 7 |
| Q5 — | Nonvolatile Memories |
| Q6 — | Photovoltaics for the 21st Century 10 |
| Q7 — | Semiconductors, Dielectrics, and Metals for Nanoelectronics 12 |
| Q8 — | Solid-State Electronics and Photonics in Biology and Medicine |
| Q9 — | ${\it State-of-the-Art\ Program\ on\ Compound\ Semiconductors\ 56\ (SOTAPOCS\ 56)}$ |
| Q10— | Thin Film Transistors 12 (TFT 12) |
| R — | Luminescence and Display Materials, Devices, and Processing |
| R1 — | Luminescence and Display Materials: Fundamentals and Applications (in Honor of Hajime Yamamoto) |
| c | |
| <u> </u> | Physical Sensors |
| 3 — S1 — | Physical Sensors Microfabricated and Nanofabricated Systems for MEMS/NEMS 11 (Physical Sensors) |
| s — S1 — Z — | Physical Sensors Microfabricated and Nanofabricated Systems for MEMS/NEMS 11 (Physical Sensors) General |
| s — S1 — Z — Z1 — | Physical Sensors Microfabricated and Nanofabricated Systems for MEMS/NEMS 11 (Physical Sensors) General Student Poster Session |
| 3 — S1 — Z1 — Z2 — | Physical Sensors Microfabricated and Nanofabricated Systems for MEMS/NEMS 11 (Physical Sensors) General Student Poster Session Energy Water Nexus |