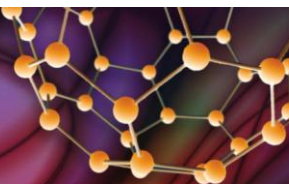




2009 MRS
fall meeting
Boston, MA • November 30-December 4



Abstract Deadline: June 23, 2009
www.mrs.org/fall2009

REMINDER:
In fairness to all potential authors,
late abstracts will not be accepted.

CALL FOR PAPERS

MRS Symposium T: Nanomaterials for Polymer Electrolyte Membrane Fuel Cells

Polymer electrolyte membrane (PEM) fuel cells are under intense investigation worldwide for applications ranging from transportation to portable power. The purpose of this seminar is to focus on the nanomaterials and nanostructures inherent to polymer fuel cells. Symposium topics will range from high-activity cathode and anode catalysts, to theory and new analytical methods.

The symposium will feature speakers from industry, academia, and government labs to capture a broad perspective of the field.

Specific interests include:

- New high-activity/durable catalysts for oxygen reduction
- Improved anode materials for direct methanol fuel cells
- Nanostructured and nanocomposite membranes
- Architectures to improve gas diffusion
- Analytical tools for nanomaterials
- Theoretical analysis of nanomaterials
- Synthetic methods

A joint session with Symposium U: *Materials Challenges Facing Electrical Energy Storage* is being considered.

Also, a tutorial session on the microscopy of fuel cells and the "delta XANES" method of EXAFS analysis of *in situ* fuel cells is tentatively planned. Further information will be included in the MRS Program that will be available online in September.

Invited speakers include:

Radoslaw Adzic (Brookhaven National Lab), **Perla B. Balbuena** (Texas A&M Univ.), **Hyuk Chang** (Samsung Advanced Institute of Technology, Korea), **Hubert Gasteiger** (Massachusetts Inst. of Technology), **Christel Laberty** (Univ. of Paris, France), **Dane Morgan** (Univ. of Wisconsin-Madison), **Friedrich Prinz** (Stanford Univ.), **Christina Roth** (Univ. of Darmstadt, Germany), **Guenther Scherer** (Paul Scherrer Inst., Switzerland), **Shi-Gang Sun** (Xiamen Univ., China), **Yu-Min Tsou** (BASF Fuel Cell), **Andrzej Wieckowski** (Univ. of Illinois-Urbana-Champaign), **Shu Yamaguchi** (Univ. of Tokyo, Japan), and **C. J. Zhong** (SUNY- Binghamton).

Symposium Organizers

Karen Swider-Lyons

Naval Research Laboratory, Chemistry Division,
Alternative Energy Section, Code 6113, Bldg. 207,
4555 Overlook Ave. SW, Washington, DC 20375
Tel 202-404-3314, Fax 202-404-8119, karen.lyons@nrl.navy.mil

Byungwoo Park

Seoul National University, College of Engineering,
Dept. of Materials Science and Engineering, Seoul 151-744, Korea
Tel 82-2-880-8319, Fax 82-2-885-9671, byungwoo@snu.ac.kr

Ting He

Honda Research Institute USA, Inc., 1381 Kinnear Rd.,
Columbus, OH 43212
Tel 614-327-4767, Fax 614-340-6082, the@honda-ri.com