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CALL FOR PAPERS

ABSTRACT DEADLINE: JUNE 20, 2006

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

MRS Symposium QQ: Solid-State Chemistry of Inorganic Materials VI

The scope and importance of solid-state chemistry has grown with the discovery of new materials and through the advancement of techniques for preparing and studying them, including the development of advanced theoretical and computational tools. As a consequence, our knowledge of the diverse properties of solids continues to expand. This symposium, the sixth in a biennial series, will provide an international interdisciplinary forum for the presentation and discussion of recent advances in the solid-state chemistry of porous, nano-, and bulk inorganic materials and their impact on devices and technology.

Specific topics include:

- Crystal chemistry and new structures
- Novel methods of synthesis
- Functional materials: optical, optoelectronic, polar, dielectric, ferroelectric, thermoelectric, catalyst, etc.
- Combining material functionalities: multifunctional materials
- Atom, ion, and electron transport: materials for energy applications
- Novel nanophase and nanoparticulate materials and architectures
- Micro-, meso-, and macroporous materials and framework structures
- Hybrid materials
- Theory and computational techniques in solid-state chemistry

Joint sessions with Symposia T: *Ferroelectrics and Multiferroics*, and AA: *Solid-State Ionics*, are under consideration.

Invited speakers include: **Markus Antonietti** (Max Planck Inst.-Potsdam, Germany): *Oxide Nanoparticles*; **Peter Bruce** (Univ. of St. Andrews, United Kingdom): *New Battery Materials*; **Peter Davies** (Univ. of Pennsylvania): *Ferroelectric Materials*; **Zenji Hiroi** (Univ. of Tokyo, Japan): *Superconductivity*; **Doug Keszler** (Oregon State Univ.): *NLO Materials*; **Susumu Kitagawa** (Kyoto Univ., Japan): *Porous Materials*; **Jing Li** (Rutgers Univ.): *Hybrid Materials*; **Jeff Long** (Univ. of California-Berkeley): *Molecular Magnets*; **Antoine Maignan** (CNRS-CRISMAT, Caen, France): *Thermoelectric Oxides*; **Fiona Meldrum** (Univ. of Bristol, United Kingdom): *Biomineralization*; **Chris Murray** (IBM T. J. Watson Research Ctr.): *Nanomaterials*; **Tina Nenoff** (Sandia National Labs): *Materials for Radwaste*; and **Andreas Stein** (Univ. of Minnesota-Minneapolis): *Macroporous and Photonic Materials*.

Symposium Organizers

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