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CALL FOR PAPERS

ABSTRACT DEADLINE: JUNE 21, 2005

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

MRS Symposium E: Electrochromic Materials and Applications

This symposium provides a forum for discussion and presentation of fundamental and applied aspects of electrochromic materials and their device applications. In addition to continuing interest in traditional electrochromic oxide materials such as WO_3 , V_2O_5 , and NiO , the major focus will be on synthesis, characterization, and performances of novel materials including electrochromic compounds with multiple colors and synthetic versatility, new materials that undergo transitions between highly reflective and highly transparent states, and polymeric materials. Device design, development of flexible substrates, and modeling will receive special attention. The symposium will also cover device applications of electrochromic materials including windows, eyewear, mirrors, displays, electronic paper, and sensors.

Topics will include:

- Novel materials for electrochromic applications
- Insertion and intercalation reactions
- New synthesis and fabrication methods
- Thin-film techniques for preparation of electrochromic devices (sputtering, sol-gel, pulsed laser deposition, electrodeposition, etc.)
- Combinatorial approach in search and optimization of electrochromic materials
- Applications of electrochromic materials and devices
- Computer modeling

Invited speakers include: **Anoop Agrawal** (ENKI Technologies), **Guy Campet** (Bordeaux Univ., France), **Claes-Göran Granqvist** (Uppsala Univ., Sweden), **Ronald Griessen** (Vrije Univ. Amsterdam, The Netherlands), **Carl Lampert** (Star Science), **John Reynolds** (Univ. of Florida), **Laurent Sauques** (DGA, France), **Morgan Tench** (Rockwell International), and **Volker Wittwer** (Fraunhofer Inst., Germany).

Symposium Organizers

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