

**TMS 2007 ELECTRONIC
MATERIALS
CONFERENCE
and
EXHIBITION**

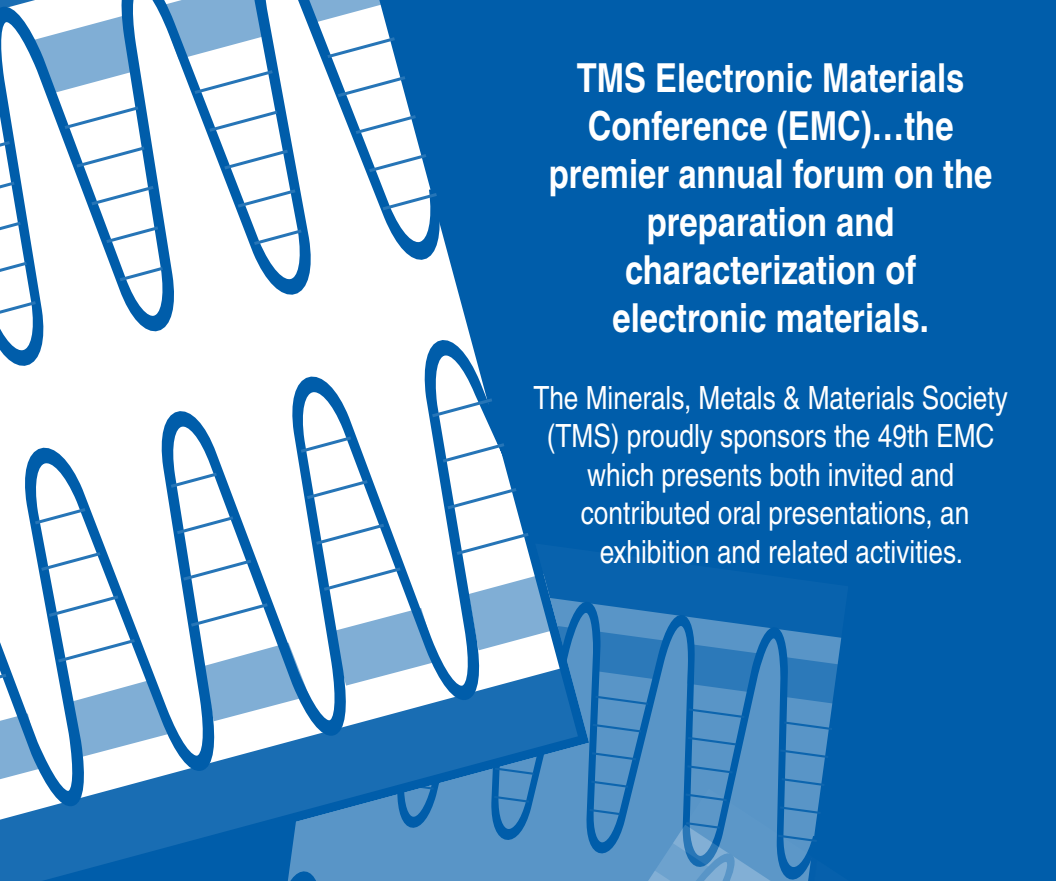
June 20-22, 2007
University of Notre Dame
Notre Dame, Indiana

CALL FOR PAPERS

TMS

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TMS Electronic Materials Conference (EMC)...the premier annual forum on the preparation and characterization of electronic materials.

The Minerals, Metals & Materials Society (TMS) proudly sponsors the 49th EMC which presents both invited and contributed oral presentations, an exhibition and related activities.

Who Attends?

Scientists, engineers, professors, researchers, technicians, research and development managers, product managers and students.

Call for Papers

Electronic materials relate to, are produced, or are operated by the controlled flow of electrons through a semiconductor, a gas, or free space. They also relate to devices, systems, or circuits that employ components such as vacuum tubes, integrated circuits, or transistors in their design.

However, in practice, the field is much broader.

Individuals actively engaged or interested in electronic materials research and development are encouraged to submit papers.

Abstract Submission Deadline: February 2, 2007

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Papers

How to Submit an Abstract

Prospective authors must submit abstracts by **February 2, 2007**, using CMS-Plus, the online TMS conference management system. Abstracts may be submitted – day or night – at <http://cmsplus.tms.org>. Conference organizers receive electronic notification of all abstract submissions upon entry. Log-in to CMS-Plus or click on HELP from the menu for instructions.

- Abstracts must reveal and demonstrate reasonable scientific content. Abstracts describing work that has not been released for public disclosure are not accepted.
- Students must clearly mark their abstracts as student papers. The abstracts must also satisfy the format guidelines.

Extended Abstract

Authors are welcome to submit an additional abstract page to assist organizers in most effectively considering the material planned for presentation. The additional information (referred to as “extended abstract” in CMS-Plus) can be uploaded as a Microsoft Word or PDF file attachment at the time of initial abstract submission. (Only the required 450-word abstract will be printed in the program book.)

For assistance, contact TMS:

Christina Raabe, Manager, Technical Programming and Continuing Education
Telephone (724) 776-9000, ext. 212, or (800) 759-4TMS
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Late News Papers

Late News Papers will be considered between Feb. 3 and June 1, 2007. To submit a Late News Paper, authors must visit the “EMC Conference” in CMS-Plus and select “Late News.” Formatting instructions noted previously apply.

Author Requirements

Authors are expected to present their papers in person at the conference. If an author must be absent or withdraw a paper, the program chair must be notified well in advance.

Publication of Papers

Conference abstracts are published in the *Journal of Electronic Materials*. Authors are strongly encouraged to submit full-length manuscripts to the

journal. Details on manuscript submission will be included in the EMC advance program and are available on the Web at www.tms.org/jem.html.

EMC/DRC

EMC is coordinated with the Device Research Conference (DRC) held June 18-20, 2007, at the University of Notre Dame. The coordinated efforts are made in recognition of the strong interaction between electronic materials and device research. This coordination provides for maximum exchange of information between attendees of both conferences. Inquiries about DRC should be forwarded to:

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Abstracts submitted to DRC may not be submitted to EMC.

For more information about EMC, contact TMS:

TMS Meeting Services
184 Thorn Hill Road
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Telephone: (724) 776-9000, ext. 243, or (800) 759-4TMS
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For Students

Awards

The top 5% of student papers at EMC receive the EMC Best Student Paper Award. The award is based on both the written abstract and the oral presentation.

Assistance

The TMS Electronic Materials Committee has allocated funds for assistance to students making oral presentations at the conference. Those wishing to be considered must submit an application no later than June 1 to:

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Zinc Oxide: Growth, Doping, Defects, Nanostructures and Devices

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Point Defects, Extended Defects and Doping in Wide Bandgap Materials

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Low-Dimensional Structures: Quantum Dots, Wires and Wells

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Nanoscale Characterization: Scanned Probes, Electron Microscopy and Other Techniques

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Nanotubes and Nanowires

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Chemical and Biological Sensors: Materials, Interfaces and Integration

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Point and Extended Defects in Mismatched Materials

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Materials Integration: Wafer Bonding and Engineered Substrates

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Oxide Thin Film Integration: Alternative Dielectrics, Epitaxial Oxides and Metal Gates

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Si-Based Heterojunctions and Applications

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Narrow Bandgap Semiconductors: Antimonides and Other Materials

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Indium Nitride: Growth, Processing, Characterization, Theory and Devices

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Organic Thin Film and Crystalline Transistors: Devices, Materials and Processing

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Compound Semiconductor Growth on Si Substrates

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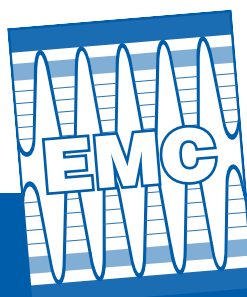
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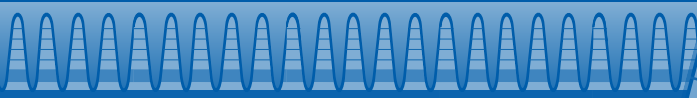
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