FIRST CALL FOR PAPERS

ISDRS 2007
International Semiconductor Device Research Symposium
December 12–14, 2007
University of Maryland, Stamp Student Union
College Park, MD 20742

http://www.ece.umd.edu/isdrs2007/

SYMPOSIUM FOCUS: The 2007 International Semiconductor Device Research Symposium (ISDRS 2007) focuses on exploratory semiconductor devices and the materials technology necessary to make them. The purpose of the symposium is to bring together participants from diverse backgrounds and to provide a forum for extended interaction between engineers, scientists, and students working in the fields of electronic and photonic materials and device technologies.

PAPER TOPICS
Original papers are solicited in the following areas:

(1) Novel Device Concepts and Ideas
(2) Advanced Characterization & Testing
(3) Advanced Processing Technologies
(4) Advanced Photovoltaics
(5) Molecular Electronics
(6) Wide Band-Gap Semiconductors – Materials and Devices
(7) High Frequency / THz Devices
(8) Si/Ge Devices and Materials
(9) Optoelectronics and Photonics
(10) Modeling (Compact and Distributed)
(11) MEMS
(12) Sensors and Biosensors
(13) Oxides and Dielectrics
(14) Silicon on Insulator
(15) Organic Materials and Devices
(16) Flexible Electronics
(17) Engineering Education in Electronic Materials and Devices
(18) Space / Extreme Environments
(19) Device Network Applications
(20) Nanoelectronics (CNTs, nanowires, graphene)

DATES AND LOCATION

Symposium Dates: December 12–14, 2007
Abstract Deadline: September 14, 2007 (EXTENDED)
Preregistration Deadline: November 12, 2007
Conference Location: University of Maryland
Stamp Student Union
College Park, MD 20742

College Park is located immediately outside of Washington DC, and can be easily reached by subway. It is readily accessible from both of the Washington area airports and BWI airport. The Stamp Student Union is conveniently located on the campus of the University of Maryland, with convenient access to dining, public transportation and nearby hotels.

STUDENT AWARDS

Each year, we recognize the work of students with four ISDRS Best Student Poster and Best Student Presentation awards. Students are requested to indicate “Student Paper” in the top right corner of their submitted abstracts in order to be considered for this award.

VAN DER ZIEL AWARD

The Aldert van der Ziel Award is given for distinguished educational and research contributions to the field of electronic devices and materials. Past recipients of this prestigious award include Arthur Milnes, Lester Eastman, Herbert Kroemer, Michael Shur, Marvin White, Jim Plummer and Ben Streetman. The winner will be announced at the conference banquet.
**ABSTRACT SUBMISSION INSTRUCTIONS**

Submitted abstracts will be judged according to the quality and originality of the work described. The corresponding author will be notified when a decision has been made. Accepted abstracts will be included in the proceedings, to be distributed at the symposium in CD form.

Abstracts should be submitted on-line via the ISDRS web site at http://www.ece.umd.edu/isdrs2007. Upon completion of the submission process you will immediately receive a confirmation letter on the screen and via email. If you do not receive this confirmation message, then you have not completed the process and your abstract data has not been received.

During the submission process, you will be instructed to email your abstract in electronic format. You will later receive a second confirmation email after your abstract file has been received. This confirmation email will include your LogID, which should be used in all correspondence regarding your abstract submission. If you do not receive an email confirming receipt of your abstract within 10-14 business days of your submission, please contact Conferences and Visitor Services at isdrs_submissions@umd.edu.

**ABSTRACT FORMAT**

The abstract is limited to two single-sided pages including all text, figures and references. To facilitate publication, please compose your abstract using the MSWord template provided on the conference website. Abstracts that do not conform to this template may be returned for revision. Abstracts should be submitted both in MS Word and PDF format. Student authors are requested to indicate “Student Paper” in the upper right corner of the first page of the abstract.

**MANUSCRIPT SUBMISSION (Solid State Electronics)**

In addition to the two page abstract submitted to the conference, authors may optionally submit a full manuscript to be considered for publication in a special issue of Solid State Electronics. Manuscripts should have a length of 6 to 10 Journal pages and must describe original work of high quality suitable for the journal. The deadline for manuscript submission is December 14 at the Symposium. Detailed submission instructions will be provided on the conference website (http://www.ece.umd.edu/isdrs2007/).