

2 0 0 7

INTERNATIONAL CONFERENCE ON

SOLID STATE

DEVICES AND MATERIALS



Conference—September 19–21, 2007
 Short Course—September 18, 2007
 Place—Tsukuba International Congress Center
 (EPOCHAL TSUKUBA)

SCOPE OF CONFERENCE

CORE AREAS

- ① Advanced Gate Stack/Si Processing Science
(Chair, Y. Nara, Selete)
- ② Characterization and Materials Engineering for Interconnect Integration
(Chair, S. Ogawa, Selete)
- ③ CMOS Devices/Device Physics
(Chair, K. Shibahara, Hiroshima Univ.)
- ④ Advanced Memory Technology
(Chair, A. Nitayama, Toshiba)
- ⑤ Advanced Circuits and Systems
(Chair, H. Kobayashi, Gunma Univ.)
- ⑥ Compound Semiconductor Circuits, Electron Devices and Device Physics
(Chair, M. Kuzuhara, Univ. of Fukui)
- ⑦ Photonic Devices and Device Physics
(Chair, M. Sugawara, Fujitsu Labs.)
- ⑧ Advanced Material Synthesis and Crystal Growth Technology
(Chair, H. Yamaguchi, NTT)
- ⑨ Physics and Applications of Novel Functional Materials and Devices
(Chair, Y. Takahashi, Hokkaido Univ.)

STRATEGIC AREAS

- ⑩ Organic Materials Science, Device Physics, and Applications
(Chair, T. Kamata, AIST)
- ⑪ Micro/Nano Electromechanical and Bio-Systems (Devices)
(Chair, H. Tabata, The Univ. of Tokyo)
- ⑫ Spintronic Materials and Devices
(Chair, M. Tanaka, The Univ. of Tokyo)
- ⑬ Applications of Nanotubes and Nanowires
(Chair, K. Matsumoto, Osaka Univ.)

Paper Deadline—May 10, 2007

Late News Paper Deadline—July 30, 2007

Sponsored by
THE JAPAN SOCIETY OF APPLIED PHYSICS

Technical-Cosponsored by
IEEE Electron Devices Society

Secretariat-SSDM 2007
c/o Inter Group Corp.
Toranomon Takagi Bldg., 1-7-2 Nishishimbashi,
Minato-ku, Tokyo 105-0003, Japan

TEL : +81-3-3597-1108
FAX : +81-3-3597-1097
E-mail: ssdm@intergroup.co.jp

ORGANIZING COMMITTEE

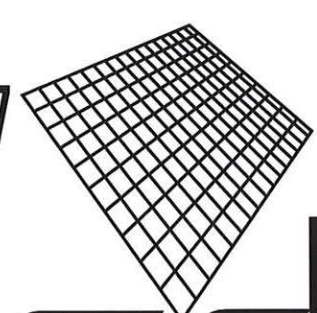
- Chairperson
N. Yokoyama (Fujitsu Labs.)
- Vice-chairperson
T. Shibata (The Univ. of Tokyo)

STEERING COMMITTEE

- Chairperson
Y. Awano (Fujitsu Labs.)
- Vice-chairperson
T. Mogami (Selete)

PROGRAM COMMITTEE

- Chairperson
S. Zaima (Nagoya Univ.)
- Vice-chairpersons
S. S. Chung (NCTU)
H. Ohno (Tohoku Univ.)
H. Ishiuchi (Toshiba)



SSDM

2007

Web Site : <http://www.ssdm.jp>

Preliminary Announcement

2007 International Conference on Solid State Devices and Materials (SSDM 2007)

Date: September 18-21, 2007 (Short Course: September 18, 2007)

Place: Tsukuba International Congress Center (EPOCHAL TSUKUBA), Japan

The 2007 International Conference on Solid State Devices and Materials (SSDM 2007) will be held from September 18, Tuesday, through September 21, Friday, at Tsukuba International Congress Center (EPOCHAL TSUKUBA), Japan.

This conference is one of the most important and prestigious international conferences held in Japan. The SSDM has provided a good opportunity to present and discuss key aspects of solid state devices and materials since it started in 1969. From the 1999 conference, program sub-committees have been established to further advance the SSDM conference activity. This organizational change has led to higher quality paper selection, which results in a higher level of presentations and discussions in the various potential subject areas. The conference has 9 sub-committees in Core Areas and 4 sub-committees in Strategic Areas, as shown below, which are continuously focused on pointing out the future directions in solid state devices and materials research. In addition to the main conference program, one-day short courses will precede the conference on Tuesday, September 18, which offer tutorial lectures on interesting topics.

Papers will be solicited in the following areas (=Subcommittees) for SSDM2007

Core Areas

- I: Advanced Gate Stack / Si Processing Science
- II: Characterization and Materials Engineering for Interconnect Integration
- III: CMOS Devices /Device Physics
- IV: Advanced Memory Technology
- V: Advanced Circuits and Systems
- VI: Compound Semiconductor Circuits, Electron Devices and Device Physics
- VII: Photonic Devices and Device Physics
- VIII: Advanced Material Synthesis and Crystal Growth Technology
- IX: Physics and Applications of Novel Functional Materials and Devices

Strategic Areas

- X: Organic Materials Science, Device Physics, and Applications
- XI: Micro/Nano Electromechanical and Bio-Systems (Devices)
- XII: Spintronic Materials and Devices
- XIII: Applications of Nanotubes and Nanowires

※CONFERENCE LANGUAGE

The official language of the conference is English.

IMPORTANT DATES

First Announcement	December, 2006
Second Announcement	March, 2007
Deadline for Abstracts	May 10, 2007
Deadline for Late News Papers	July 30, 2007

CONFERENCE CHAIRS

Organizing Committee Chair
Naoki Yokoyama (Fujitsu Laboratories Ltd.)

Steering Committee Chair
Yuji Awano (Fujitsu Laboratories Ltd.)

Program Committee Chair
Shigeaki Zaima (Nagoya University)

FURTHER INFORMATION

Those who are interested in receiving further information, including the call for papers, are requested to contact:

Secretariat for SSDM 2007

c/o Inter Group Corp.

Toranomon Takagi Bldg., 1-7-2 Nishishimbashi, Minato-ku, Tokyo 105-0003, Japan

Phone: +81-3-3597-1108 Fax: +81-3-3597-1097 E-mail: ssdm@intergroup.co.jp

URL: <http://www.ssdm.jp>