

2009

INTERNATIONAL CONFERENCE ON

SOLID STATE

DEVICES AND MATERIALS

Conference — **October 7–9, 2009**
Short Course & Workshop — **October 6, 2009**
Place — **Sendai Kokusai Hotel**

SCOPE OF CONFERENCE

CORE AREAS

- ① Advanced Gate Stack/Si Processing Science
(Chair, J. Yugami, Selete)
- ② Characterization and Materials Engineering for Interconnect Integration
(Chair, M. Matsuura, Renesas Technology)
- ③ CMOS Devices/Device Physics
(Chair, H. Wakabayashi, Sony)
- ④ Advanced Memory Technology
(Chair, A. Nitayama, Toshiba)
- ⑤ Advanced Circuits and Systems
(Chair, S. Kawahito, Shizuoka Univ.)
- ⑥ Compound Semiconductor Circuits, Electron Devices and Device Physics
(Chair, T. Hashizume, Hokkaido Univ.)
- ⑦ Photonic Devices and Device Physics
(Chair, H. Yamada, Tohoku Univ.)
- ⑧ Advanced Material Synthesis and Crystal Growth Technology
(Chair, A. Yamada, Tokyo Tech.)
- ⑨ Physics and Applications of Novel Functional Materials and Devices
(Chair, T. Fujisawa, Tokyo Tech.)
- ⑩ Organic Materials Science, Device Physics, and Applications
(Chair, K. Kato, Niigata Univ.)

STRATEGIC AREAS

- ⑪ Micro/Nano Electromechanical and Bio-Systems (Devices)
(Chair, I. Yamashita, NAIST)
- ⑫ Spintronic Materials and Devices
(Chair, K. Ando, AIST)
- ⑬ Applications of Nanotubes and Nanowires
(Chair, K. Ishibashi, RIKEN)
- ⑭ Power Electronics
(Chair, M. Ishiko, Toyota Central R&D Labs.)

Paper Deadline—May 8, 2009

Late News Paper Deadline—July 27, 2009

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Secretariat-SSDM 2009

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Preliminary Announcement

2009 International Conference on Solid State Devices and Materials (SSDM 2009)

Date: October 6-9, 2009 (Short Course & Workshop: October 6, 2009)

Place: Sendai Kokusai Hotel, Sendai, Japan

The 2009 International Conference on Solid State Devices and Materials (SSDM2009) will be held from October 6, Tuesday, through October 9, Friday, at Sendai Kokusai Hotel, Sendai, 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 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 10 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 and workshop programs will precede the conference on Tuesday, October 6, which offer tutorial lectures on interesting topics.

Papers will be solicited in the following areas (=Subcommittees) for SSDM2009

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
- X : Organic Materials Science, Device Physics, and Applications

Strategic Areas

- XI : Micro/Nano Electromechanical and Bio-Systems (Devices)
- XII : Spintronic Materials and Devices
- XIII: Applications of Nanotubes and Nanowires
- XIV: Power Electronics

※CONFERENCE LANGUAGE

The official language of the conference is English.

IMPORTANT DATES

First Announcement	December, 2008
Second Announcement	March, 2009
Deadline for Abstracts	May 8, 2009
Deadline for Late News Papers	July 27, 2009

CONFERENCE CHAIRS

Organizing Committee Chair
Mitsumasa Koyanagi (Tohoku Univ.)

Steering Committee Chair
Seiji Samukawa (Tohoku Univ.)

Program Committee Chair
Kazumi Wada (Univ. of Tokyo)

FURTHER INFORMATION

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