

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 & Material Science
(Chair, J. Yugami, Selete)
- ② Characterization and Materials Engineering for Interconnect Integration
(Chair, M. Matsuura, Renesas Tech. Corp.)
- ③ CMOS Devices/Device Physics
(Chair, H. Wakabayashi, Sony Corp.)
- ④ Advanced Memory Technology
(Chair, A. Nitayama, Toshiba Corp.)
- 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.)

Green Technology

-Nanodevices Toward Environmental-Friendly Society-

PLENARY SESSIONS

"Moore's law past 32nm: the challenges in physics and technology scaling"
K.J.Kuhn (Intel Corp.)

"The Third Generation of Solar Photovoltaic Electricity"
T.Tomita (Univ. of Tokyo)

RUMP SESSIONS

Two Rump Sessions are planned to be held on October 8 (Thursday).
Session A: "Novel Lithography for more Moore/beyond CMOS and More than Moore"
Session B: "Solar Cells for Electronics: from In-Vehicle to Ubiquitous"

SHORT COURSE

Short Course entitled "From Basic theory to Newest Application in MOS Devices" is planned to be held on October 6 (Tue). All lecture will be given in English.

WORKSHOP

Workshop entitled "Green Technology" is planned to be held on October 6 (Tue). All lecture will be given in English.

Organizing Committee

- Chairperson
M. Koyanagi (Tohoku Univ.)
- Vice-chairperson
Y. Arakawa (Univ. of Tokyo)

STEERING COMMITTEE

- Chairperson
S. Samukawa (Tohoku Univ.)
- Vice-chairperson
S. Takagi (Univ. of Tokyo)

PROGRAM COMMITTEE

- Chairperson
K. Wada (Univ. of Tokyo)
- Vice-chairpersons
S. S. Chung (NCTU)
K. Masu (Tokyo Tech.)
K. Ohashi (NEC)

Paper Deadline—**May 8, 2009**

Late News Paper Deadline—**July 27, 2009**

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