

2008

INTERNATIONAL CONFERENCE ON

SOLID STATE

DEVICES AND MATERIALS

Conference

September 24-26, 2008

Short Course & Special Events

September 23, 2008

Place

Tsukuba International Congress Center, Japan
(EPOCHAL TSUKUBA)

SCOPE OF CONFERENCE

CORE AREAS

- Advanced Gate Stack/Si Processing Science (Chair: J. Yugami, Renesas Tech. Corp.)
- Characterization and Materials Engineering for Interconnect Integration (Chair: Y. Hayashi, NEC Corp.)
- CMOS Devices/Device Physics (Chair: M. Hane, NEC Corp.)
- Advanced Memory Technology (Chair: A. Nitayama, Toshiba Corp.)
- Advanced Circuits and Systems (Chair: S. Kawahito, Shizuoka Univ.)
- Compound Semiconductor Circuits, Electron Devices and Device Physics (Chair: T. Hashizume, Hokkaido Univ.)
- Photonic Devices and Device Physics (Chair: H. Yamada, Tohoku Univ.)
- Advanced Material Synthesis and Crystal Growth Technology (Chair: A. Yamada, Tokyo Tech.)
- Physics and Applications of Novel Functional Materials and Devices (Chair: T. Fujisawa, NTT Corp.)

STRATEGIC AREAS

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

PLENARY SESSIONS

- "CMOS Paradigm Change through Material Integration on a Chip"
M. Hirose (AIST, Japan)
- "One Dimensional Electronics: Physics or Technology?"
M. Lundstrom (Purdue Univ., USA)

RUMP SESSIONS

- Two Rump Sessions are planned to be held on September 25 (Thursday).
- Session A: "Can Power Semiconductor Technology Contribute to Sustainable Future?"
- Session B: "Nano-Device and Materials Innovations: What novel systems are you dreaming of?"

SHORT COURSE

- Short Course entitled "Progress in Si Technology Booster with Metrology/Evaluation Technique" is planned to be held on September 23 (Tuesday). All lectures are given in Japanese.

THE 40TH ANNIVERSARY

"Device and Material Innovations for Novel System Integration"

Special Events at the 40th Anniversary

- DVD including 40 years' SSD & SSDM papers
- Panel display of past "SSDM Award"
- And many more events !!

ORGANIZING COMMITTEE

- Chairperson
T. Shibata (Univ. of Tokyo)
- Vice-chairperson
M. Koyanagi (Tohoku Univ.)

STEERING COMMITTEE

- Chairperson
T. Mogami (Selete)
- Vice-chairperson
S. Samukawa (Tohoku Univ.)

PROGRAM COMMITTEE

- Chairperson
H. Ohno (Tohoku Univ.)
- Vice-chairpersons
S. Chung (NCTU)
K. Wada (Univ. of Tokyo)
S. Kimura (Hitachi, Ltd.)

Paper Deadline—May 8, 2008

Late News Paper Deadline—July 28, 2008

Sponsored by

THE JAPAN SOCIETY OF APPLIED PHYSICS

Technical-Cosponsored by

IEEE Electron Devices Society

Secretariat-SSDM 2008

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_secretariat@intergroup.co.jp

SSDM

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

2008