

1st Global COE International Symposium  
**Electronic Devices Innovation**  
EDIS2008

**Satellite meeting "Recent activities of IDER units"**

January 18, 2008

Room: E6-112, Division of Electrical, Electronic and Information Engineering,  
Graduate School of Engineering, Osaka Univ., Suita, Osaka, Japan

Sponsored by the Global COE Program  
"Center for Electronic Devices Innovation"

<Leaders of Innovation-oriented Dynamic Education and Research (IDER) units  
will introduce recent activity of their IDER units.>

**Meeting Program**

**Session I**

chairperson: H. Momose (Osaka University)

<13:00-13:10>

**S-01** *Development of Advanced High-Performance Organic Photovoltaic Device*  
A. Fujii (Graduate School of Engineering, Osaka University)

<13:10-13:20>

**S-02** *Advanced photonic devices for new-generation communication networks*  
M. Fujimura (Graduate School of Engineering, Osaka University)

<13:20-13:30>

**S-03** *Development of plasma photonic device generating high-intensity  
electromagnetic radiation toward diagnostics of electronic device*  
Y. Inubushi and H. Habara (Graduate School of Engineering, Osaka University)

<13:30-13:40>

**S-04** *Research and development for an advanced bio-imaging system*  
M. Osanaï (Graduate School of Engineering, Osaka University)

<13:40-13:50>

**S-05** *Multiscale Simulation for Electronic Devices Innovation*  
N. Mori (Graduate School of Engineering, Osaka University)

<13:50-14:00>

**S-06** *Unit for the development of terahertz sensing and imaging systems*  
I. Kawayama (Institute of Laser Engineering, Osaka University)

**Session II**

chairperson: N. Mori (Osaka University)

<14:20-14:30>

**S-07** *Research and Development of Smart Integrated Sensing System*  
S. Honda (Graduate School of Engineering, Osaka University)

<14:30-14:40>

**S-08** *Observation of grain-boundary on bicrystal*  
T. Maki (Graduate School of Engineering Science, Osaka University)

<14:40-14:50>

**S-09** *Research Unit of the Concept for Next Generation Power Semiconductor Devices*  
Y. Miura (Graduate School of Engineering, Osaka University)

<14:50-15:00>

**S-10** *Flexible and printable organic optical devices*  
H. Kajii (Center for Advanced Science and Innovation, Osaka University)

<15:00-15:10>

**S-11** *Development of transmitter device using photonic-crystal semiconductor laser  
for next-generation optical communication*  
H. Momose (Graduate School of Engineering, Osaka University)

<15:10-15:20>

**S-12** *Research unit for exploration of new materials toward innovative electronics devices*  
N. Ozaki (Graduate School of Engineering, Osaka University)



Web site of EDIS 2008:

<http://www.eei.eng.osaka-u.ac.jp/gcoe/edis/>

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