

1st Global COE International Symposium
- Electronic Devices Innovation -
EDIS2008
Satellite meeting "Recent activities of IDER units"
Program

Session I

<13:00-14:00>

Chairperson: Hideki Momose (Osaka Univ.)

<13:00-13:10>

S-01 *Development of Advanced High-Performance Organic Photovoltaic Device*

A. Fujii, V. Kittichungchit, M. Watanabe, M. Abe, M. Yoshimura, M. Ozaki (1), J. Sakai (2), H. Rahmat (3), X. Ju, W. Feng (4), Y. Miyake, Y. Shimizu (5)

((1) Graduate school of Engineering, Osaka University, Japan, (2) Advanced Technologies Development Laboratory, Matsushita Electric Works, Ltd, Japan, (3) Faculty of Mathematics and Natural Sciences, Institut Teknologi Bandung, Indonesia, (4) School of Materials Science and Engineering, Tianjin University, China, (5) Advanced Industrial Science and Technology Kansai, Japan)

<13:10-13:20>

S-02 *Advanced photonic devices for new-generation communication networks*

M. Fujimura, A. Maruta, M. Matsumoto, T. Higashino
(Graduate school of Engineering, Osaka University, Japan)

<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, Japan)

<13:30-13:40>

S-04 *Research and development for an advanced bio-imaging system*

M. Osanai, H. Okuno, S. Ohkura, T. Ida, D. Kanemoto, J. Hasegawa, N. Kotani, Y. Hashimoto, T. Ohkura
(Graduate School of Engineering, Osaka University, Japan)

<13:40-13:50>

S-05 *Multiscale Simulation for Electronic Devices Innovation*

N. Mori, Y. Kamakura, G. V. Mil'nikov, H. Tsuji, M. Furuhashi, H. Minari, T. M. Prabhath, S. Weerawardhana (1), K.Kodama, M. Kuzuhara (2)
((1) Graduate School of Engineering, Osaka University, Japan (2) University of Fukui, Japan)

<13:50-14:00>

S-06 *Unit for the development of terahertz sensing and imaging systems*

I. Kawayama
(Institute of Laser Engineering, Osaka University, Japan)

<Break> (14:00-14:20)

Session II

<14:20-15:20>

Chairperson: Nobuya Mori (Osaka Univ.)

<14:20-14:30>

S-07 *Research and Development of Smart Integrated Sensing System*

S. Honda, H. Aoki, T. Matsuoka, M. Abe, M. Morifuji, M. Katayama, K. Taniguchi
(Graduate School of Engineering, Osaka University, Japan)

<14:30-14:40>

S-08 *Observation of grain-boundary on bicrystal*

T. Maki, Y. Nakatani, X. Kong, A. Yutani, H. Itozaki (1), M. Abe, T. Matsuoka (2)
(1) Graduate School of Engineering Science, Osaka University, Japan, (2) Graduate School of Engineering, Osaka University, Japan)

<14:40-14:50>

S-09 *Research Unit of the Concept for Next Generation Power Semiconductor Devices*

Y. Miura, M. Imade, H. Kakigano, Y. Kamakura, F. Kawamura, O. Saeki, H. Sugihara, R. Simanjorang, T. Ise (1), H. Iwamoto (2)
(1) Graduate school of Engineering, Osaka University, Japan, (2) Mitsubishi Electric Corp., Japan)

<14:50-15:00>

S-10 *Flexible and printable organic optical devices*

H. Kajii (1), T. Morimune (2)
(1) Center for Advance Science and Innovation, Osaka University, Japan, (2) Takuma National College of Technology, Japan)

<15:00-15:10>

S-11 *Development of transmitter device using photonic-crystal semiconductor laser for next-generation optical communication*

H. Momose, T. Miyaji, Bogoda Indika Udaya Kumara, T. Ido
(Graduate school of Engineering, Osaka University, Japan)

<15:10-15:20>

S-12 *Research unit for exploration of new materials toward innovative electronics devices*

N. Ozaki, H. Nakamura, K. Shibata, T. Kimura, K. Miyanishi, T. Endo, S. Kawamura, T. Sano, T. Terai, K. Kinoshita (1), K. Kobayashi (2), O. Sakata (3), S. Fujioka, M. Tanabe (4), A. Benuzzi-Mounaix (5), T. Vinci (6), R. Smith, J. Eggert (7), T. de Resseguier (8)
(1) Graduate School of Engineering, Osaka University, Japan, (2) National Institute of Material Science, Japan, (3) SPring-8, (4) Institute of Laser Engineering, Osaka University, Japan, (5) Laboratoire pour l'Utilisation des Lasers Intenses (LULI), UMR7605 CNRS - CEA - Université Paris VI - Ecole Polytechnique, France, (6) Commissariat à l'Energie Atomique (CEA), France, (7) Lawrence Livermore National Laboratory, USA, (8) Laboratoire de Combustion et de Détonique, France)