

# 3rd Global COE International Symposium Electronic Devices Innovation (EDIS 2011)

**date** December 16-17, 2011

**place** Senri Life Science Center, Osaka, Japan

The 3rd Global COE International Symposium "Electronic Devices Innovation" (EDIS 2011) will be held in December 16-17, 2011, in Senri Life Science Center, Osaka, Japan. The primary focus of EDIS 2011 is to provide an international venue to discuss the latest progress in the field of electronic devices innovation.

The following sessions are scheduled:

## ◆ Friday, December 16, 2011

Session  
A

CMOS Technology for  
Future System Integration

## ◆ Saturday, December 17, 2011

Session  
B

The Impact of Wide Bandgap Power  
Semiconductors on Future Power  
Electronic Systems

Session  
C

Advances in Neuroengineering IV  
/ Nano-sensing

Session  
D

Advanced Optical Communication and  
its All-optical Signal Processing

Session  
E

Energy Saving with Photonics

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



**GCOE CEDI**  
Osaka Univ.  
**EDIS2011**

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URL: <http://www.eei.eng.osaka-u.ac.jp/gcoe/EDIS2011/index.html>

## Speakers

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### ◆ Friday, December 16, 2011

#### Session A: CMOS Technology for Future System Integration

- Masao Fukuma (Semiconductor Industry Research Institute Japan, Japan)
  - James B. Kuo (National Taiwan University, Taiwan)
  - Kenji Taniguchi (Nara National College of Technology, Japan)
  - Takamaro Kikkawa (Hiroshima University, Japan)
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### ◆ Saturday, December 17, 2011

#### Session B: The Impact of Wide Bandgap Power Semiconductors on Future Power Electronic Systems

- Leo Lorenz (Infineon Technologies, Germany) (Chairman)
  - Jose Millan (National Microelectronics Centre (CNM-CSIC), Spain)
  - Kevin Chen (The Hong Kong University of Science Technology, China)
  - Oliver Hilt (Ferdinand-Braun-Institute Berlin, Germany)
  - Ichiro Omura (Kyushu Institute of Technology, Japan)
  - Masayuki Imaizumi (Mitsubishi Electric Corporation, Japan)
  - Noriyuki Iwamuro (National Institute of Advanced Industrial Science and Technology (AIST), Japan)
  - Yoshiharu Anda (Panasonic Corporation, Japan)
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#### Session C-1: Advances in Neuroengineering IV

- Chung-Yu Wu (National Chiao Tung University, Taiwan)
  - Hsin Chen (National Tsing Hua University, Taiwan)
  - Christoph Posch (Austrian Institute of Technology, Austria)
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#### Session C-2: Nano-sensing

- Oscar Custance (National Institute for Materials Science, Japan)
  - Yousoo Kim (RIKEN, Japan)
  - Katharina J. Franke (Universität Berlin, Germany)
  - Sebastian Loth (IBM Research Division, Almaden Research Center, USA)
  - Angelika Kühnle (Johannes Gutenberg-Universität Mainz, Germany)
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#### Session D: Advanced Optical Communication and its All-optical Signal Processing

- Keith Blow (Aston University, UK)
  - William Shieh (University of Melbourne, Australia)
  - Hongwei Chen (Tsinghua University, China)
  - Koichi Takiguchi (NTT Photonics Laboratories, Japan)
  - Hiroyuki Uenohara (Tokyo Institute of Technology, Japan)
  - Yuji Miyoshi (Osaka Prefecture University, Japan)
  - Masatoshi Kagawa (Oki Electric Industry Co., Ltd., Japan)
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#### Session E: Energy Saving with Photonics

- Hiroshi Amano (Nagoya University, Japan)
  - Junji Kido (Yamagata University, Japan)
  - Yusuke Mori (Osaka University, Japan)
  - Shin-ichi Nagahama (Nichia Corporation, Japan)
  - Susumu Noda (Kyoto University, Japan)
  - Takao Someya (University of Tokyo, Japan)
- (alphabetical order)

Co-sponsored by

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