

2nd Call for Papers

IMFEDK 2012

The 2012 International Meeting for Future of Electron Devices, Kansai

May 9-11, 2012, Kansai University Centenary Memorial Hall, Osaka, Japan

<http://www.imfedk.org/>

The 10th Anniversary Conference Theme:

“What’s the 2nd Mainstream of Device Technology?”

-For Successive Evolution of Electron Devices-

The 10th IMFEDK is cosponsored by IEEE EDS Kansai Chapter and IEEE SSCS Kansai Chapter.

Important dates:

- (1) Deadline of short-abstract submission: **Jan. 31, 2012.**
 - (2) Notification of acceptance: **Feb. 20, 2012.**
 - (3) Deadline of final paper submission: **March 20, 2012.**
- All authors have to verify that their PDF is IEEE Xplore®-compatible on the PDF eXpress® site.

IMFEDK2012 Scope

The meeting covers all areas of electron devices: Si-devices, compound semiconductor devices, emerging solid-state devices, circuit technology and related modeling, simulations, characterization, material & process technologies.

Official Language

English will be used for all printed materials, presentation and discussion, except tutorials.



Kansai University Centenary Memorial Hall

Invited Talks:

- J.-P. Colinge (Tyndall National Institute, University College Cork)
“Junctionless Transistor” (Tentative)
- Akira Toriumi (The University of Tokyo)
“Ge MOSFETs / Graphene MOSFETs” (Tentative)
- Yuichi Kado (Kyoto Institute of Technology)
“New Communication Paradigm by RF Technology” (Tentative)
- Yiming Li (National Chiao Tung University)
“Fluctuation analysis of small FETs using TCAD” (Tentative)
- Akira Matsuzawa (Tokyo Institute of Technology)
“Essence and technology direction of ADC design”
- Jun Ohta (Nara Institute of Science and Technology)
“CMOS Biomedical Devices”
- Ken Takeuchi (The University of Tokyo)
“Highly reliable low power Solid-State Drives (SSDs)”

Tutorials (in Japanese):

- Endoh Tetsuo (Tohoku University)
“Spintronics-based VLSIs for Ultra Low Power Nonvolatile Computer Systems”
- Junji Kido (Yamagata University)
“Organic Electroluminescence : Light Sources and Display” (Tentative)

IMFEDK 2012 Organization

General Chair

Yoichi Akasaka Guest Professor & Former Professor of Osaka University

Organizing Committee

Yasuhisa Omura (Chair) Kansai University
Akira Hiroki (Secretary) Kyoto Institute of Technology
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S. Dosho Panasonic Corp.
H. Suzuki Renesas Electronics Corp.
K. Takeuchi The University of Tokyo
A. Tsuchiya Kyoto University
M. Yoshimoto Kobe University
T. Yoshimura Osaka Institute of Technology

Location

Osaka is one of the best sightseeing spots in Japan. Detailed access map to Kansai University Centenary Memorial Hall is available at

<http://www.kansai-u.ac.jp/global/mapsenri.html>

http://www.kansai-u.ac.jp/English/about_ku/senri_map.html

IEEE EDS Kansai Chapter IMFEDK Awards & IEEE SSCS Kansai Chapter IMFEDK Awards

(Best Paper, Student Paper)

The IMFEDK Awards will be awarded to the limited excellent papers written and presented by IEEE members. Only the first author, in the case of Student Paper Award, is honored with testimonials during the IMFEDK Meeting.

Further Information

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