

## IEEE EDS Kansai Chapter Awards 2016

### ■ IEEE EDS Kansai Chapter of the Year Award

Author: **S. Hamauchi**  
Title: Terahertz Emission from Individual Subcells in a Triple Junction Solar Cell  
Excited by a Wavelength Tunable Pulsed Laser  
Coauthors: S. Hamauchi<sup>1</sup>, Y. Sakai<sup>1</sup>, T. Umegaki<sup>1</sup>, A. Ito<sup>2</sup>, H. Nakanishi<sup>2</sup>, I. Kawayama<sup>1</sup>,  
H. Murakami<sup>1</sup>, M. Tonouchi<sup>1</sup>  
Affiliation: <sup>1</sup>Osaka Univ., <sup>2</sup>SCREEN Holdings Co., Ltd.

### ■ IEEE EDS Kansai Chapter MFSK Award

Author: **R. Kishida**  
Title: Negative Bias Temperature Instability Caused by Plasma Induced Damage in  
65 nm Bulk and Silicon On Thin BOX (SOTB) Processes  
Coauthors: A. Oshima, K. Kobayashi  
Affiliation: Kyoto Inst. Tech.

Author: **K. Kito**  
Title: Temperature and Illuminance Detections by Hybrid-type Carrier-generation  
Sensors using n-type and p-type Poly-Si TFTs  
Coauthors: H. Hayashi, S. Kitajima, T. Matsuda, M. Kimura  
Affiliation: Ryukoku Univ.

■ **IEEE EDS Kansai Chapter IMFEDK Best Paper Award**

Authors: **Yuichiro Nanen**  
Paper-ID: B-6  
Title: Estimation of Junction Temperature at Failure of SiC DMOSFETs in UIS Test  
Affiliation: ROHM

■ **IEEE EDS Kansai Chapter IMFEDK Student Paper Award**

Author: **Masataka Shirasawa**  
Paper-ID: PA-01  
Title: Kinetic Monte Carlo Simulation for Switching Probability of ReRAM  
Coauthors: Mlandeli Ernest Dlamini, Yoshinari Kamakura  
Affiliation: Osaka University

Author: **Taisei Yamazaki**  
Paper-ID: B-4  
Title: Breakdown degradation of AlGaIn/GaN HEMTs with multi-finger gate patterns  
Coauthors: Yudai Suzuki, Shintaro Ohi, Joel Asubar, Hirokuni  
Affiliation: University of Fukui

Author: **Le Thi Yen**  
Paper-ID: PA-02  
Title: Analysis of Ultra-High-Speed Image Sensor Based on Drift-Diffusion Model  
Coauthors: Natsumi Minamitani, Yoshinari Kamakura and T. G. Etoh  
Affiliation: Osaka University

Author: **Itaru Raifuku**  
Paper-ID: C-3  
Title: Potential of Perovskite Solar Cells for Power Sources of IoT Applications  
Coauthors: Yasuaki Ishikawa, Seigo Ito and Yukiharu Uraoka  
Affiliation: 1Nara Institute of Science and Technology