

IMFEDK 2012 Awards

■ IEEE EDS Kansai Chapter IMFEDK Best Paper Award

Paper ID: C-1

Title: “Fundamental Study on Junction Termination Structures for Ultrahigh-Voltage SiC PiN Diodes”

Authors: Hiroki Niwa, Jun Suda and Tsunenobu Kimoto

Affiliation: Kyoto University

■ IEEE EDS Kansai Chapter IMFEDK Student Paper Award

Author: **Takamasa Kurumi** Paper ID: PA-02

Title: “TEM observation of directly bonded interface between Si and SiC”

Coauthors: Ryosuke Araki, Hiroyuki Kinoshita and Masahiro Yoshimoto

Affiliation: Kyoto Institute of Technology

Author: **Gota Murai**¹ Paper ID: PA-03

Title: “Photoluminescence study on recrystallization of ultra-shallow junction towards in-line measurements”

Coauthors: Masashi Okutani¹, Hiroki Saikusa¹, Masahiro Yoshimoto¹, Woo Sik Yoo²

Affiliation: ¹Kyoto Institute of Technology, ²WaferMasters, Inc.

Author: **Yasuaki Miyoshi**¹ Paper ID: PB-05

Title: “Numerical simulation of transport properties in InAs/Si heterojunction nanowire tunneling field effect transistors”

Coauthors: Matsuto Ogawa¹, Satofumi Souma¹, Hajime Nakamura²

Affiliation: ¹Kobe University, ²IBM Japan

Author: **Masashi Inoue**¹ Paper ID: PC-01

Title: “Characteristic Shift of a CTFT Inverter using n-type IGZO and p-type F8T2 TFTs after Temperature and Operation Stresses”

Coauthors: Takayuki Hasegawa¹, Takashi Nakanishi¹, Mutsumi Kimura¹, Kenji Nomura², Toshio Kamiya², Hideo Hosono²

Affiliation: ¹Ryukoku University, ²Tokyo Institute of Technology

Author: **Norimitsu Wakama**¹ Paper ID: PC-03

Title: “A polarization analyzing CMOS image sensor with metal wire grid in 65-nm standard CMOS technology”

Coauthors: Hitoshi Matsuoka¹, Keisuke Ando¹, Toshihiko Noda^{1,2}, Kiyotaka Sasagawa^{1,2}, Takashi Tokuda^{1,2}, Jun Ohta^{1,2}

Affiliation: ¹Nara Institute of Science and Technology, ²CREST

■ IEEE SSCS Kansai Chapter IMFEDK Student Paper Award

Author: **Shunsuke Tanimori** Paper ID: PS-01

Title: “80GHz 12.2mW p-MOS Cross-Coupled CMOS LC-Oscillator”

Coauthors: Mizuki Motoyoshi, Kosuke Katayama, Kyoya Takano, Minoru Fujishima

Affiliation: Hiroshima University