

The 21st Korean Conference on Semiconductors
제21회 한국반도체학술대회
February 24–26, 2014 / Hanyang University, Seoul, Korea

I. MEMS & Sensors 분과

[WK2-I] Physical Sensors

Date	Feb. 26, 2014 (Wed.)
Place	Room K / 제1공학관 502호 (# 502, Engineering Building I)

Session Chair: 김상인 교수(아주대학교),

- WK2-I-1 13:05-13:20 Quantum-Dot Sensitized Metal Oxide Semiconductor Hybrid Phototransistor for Near Infrared Detection**
저자: Do Kyung Hwang¹, Hee Sung Lee², Yun Jae Lee¹, Won Kook Choi¹, and Seongil Im²
소속: ¹Interface Control Research Center, Korea Institute of Science and Technology, ²Institute of Physics and Applied Physics, Yonsei University
- WK2-I-2 13:20-13:35 Development of Low-Cost and High Speed Coincidence Count Unit using FPGA**
저자: Byung Kwon Park, Min-Soo Lee, Min Ki Woo, Il Young Kim, Osung Kwon, Yong-Su Kim, Sang-Wook Han, and Sung Moon
소속: Center of Nano & Quantum Information Research, Korea Institute of Science and Technology
- WK2-I-3 13:35-13:50 Temperature Characteristics of Dark and Afterpulse Noise in Single Photon Detector using InGaAs/InP Avalanche Photodiode**
저자: Minsoo Lee, Byungkwon Park, Minki Woo, Il-young Kim, Osung Kwon, Young-su Kim, Sang-wook Han, and Sung Moon
소속: Nano & Quantum Information Research Center, Korea Institute of Science and Technology
- WK2-I-4 13:50-14:05 Noise Reduction in Graphene Nanopores**
저자: Ashvani Kumar, Kyeong-Beom Park, Hyun-Mi Kim, and Ki-Bum Kim
소속: Department of Materials Science and Engineering, Seoul National University
- WK2-I-5 14:05-14:20 The Fabrication Method of Tungsten Oxide-Based Sensors using Laser-Induced Oxidation**
저자: Jaeho Shim, Jeong Oen Lee, Kyungmook Kwon, Minkyung Kim, Jun-Bo Yoon, and Kyoungsik Yu
소속: Department of Electrical Engineering, KAIST