

제22회 한국반도체학술대회

2015년 2월 10일(화) - 12일(목), 인천 송도컨벤시아

I. MEMS & Sensor Systems 분과

Room H
1F / 110호

2015년 2월 11일(수) 09:00-10:30

[WH1-I] Physical Sensor System

좌장: 한상욱 (KIST), 박재영 (광운대학교)

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| WH1-I-1 | 09:00-09:15 | Implementation and Analysis of Avalanche Photodiode for Single-Photon Detection
이이인준 ^{1,2} , 이민수 ¹ , 김상인 ² , 한상욱 ¹ , 문성욱 ¹
¹ 한국과학기술연구원 나노양자정보연구센터, ² 아주대학교 전자공학과 |
| WH1-I-2 | 09:15-09:30 | P&P QKD System using Single Photon Detectors with Dual Path Method
Minsoo Lee, Byungkwon Park, Minki Woo, Il-young Kim, Osung Kwon, Yong-su Kim, Sang-wook Han, and Sung Moon
Nano & Quantum Information Research Center, KIST / Korea University of Science and Technology |
| WH1-I-3 | 09:30-09:45 | Theoretical and Experimental Investigation of Two-Photon Interference with Classical Pulses
Yong-Su Kim
Center for nano & quantum information research, KIST |
| WH1-I-4 | 09:45-10:00 | Electrical Characteristics of Electrolyte-Oxide-Silicon (EOS) capacitor with the gold nanoparticle (AuNPs) attachments
Nanki Hong ¹ , Kihyun Kim ¹ , Chanoh Park ² , Donghoon Kim ¹ , and Jeong-Soo Lee ^{1,2}
¹ Department of Electrical Engineering, POSTECH, ² Division of IT convergence Engineering, POSTECH |
| WH1-I-5 | 10:00-10:15 | Analysis and Experiment of Interface Delamination Based BCB Cap Transfer Packaging of RF-MEMS Switch on MMIC
Seonho Seok ¹ and Janggil Kim ²
¹ L'Institut d'Électronique Fondamental (IEF), Centre Scientifique d'Orsay, France, ² School of Mechanical and Aerospace Engineering, Seoul National University |
| WH1-I-6 | 10:15-10:30 | Silicon Bulk Micromachined Piezoelectric Energy Harvester using Interdigital Shaped Cantilevers
Hyunok Cho, Jongcheol Park, and Yeong Park
Department of Electronic Engineering, Kwangwoon University |