P. Device for Energy (Solar Cell, Power Device, Battery, etc.) 분과

2017년 2월 15일 (수), 15:25-17:10
Room A (에메랄드, 2층)

[WA4-P] Materials and Devices for Energy

좌장: 이미정(국민대학교), 손정곤(한국과학기술연구원)

WA4-P-1 **15:25-15:40**	**Effect of Surface Passivation on Breakdown Voltages of 4H-SiC Schottky Barrier Diodes** Ho Kang, Moon Kyong Na, Ogyun Seok, Jeong Hyun Moon, H. W. Kim, Sang Cheol Kim, Wook Bahng, Nam Kyun Kim, and Him-Chan Park *Power Semiconductor Research Center, Korea Electrotechnology Research Institute*
WA4-P-2 **15:40-15:55**	**Differential 3ω Method for Measuring Thermal Conductivity of Silicon Nanowire** Seungho Lee[1], Kihyun Kim[2], Jun-Sik Yoon[2], and Chang-Ki Baek[1,2] *[1]Department of Electronic Engineering, Pohang University of Science and Technology, [2]Department of Creative IT Engineering, Pohang University of Science and Technology*
WA4-P-3 **15:55-16:10**	**Large Area Fabrication of ZnO/Ag Nanowire Composite Transparent Conductive Thin Films with Low Temperature Processing Methods** 조원기, 백승재 *Department of Electrical, Electronic and control engineering, Hankyong National University*
WA4-P-4 **16:10-16:25**	**The Hole Transport Layers of Organic Photovoltaic Cells Derived from $(NH_4)_2MeS_4$** Quyet Van Le and Soo Young Kim *School of Chemical Engineering and Materials Science, Chung-Ang University*
WA4-P-5 **16:25-16:40**	**Synergetic Effect of MoS_2 and WS_2 in a Hybrid Nanostructure for Hydrogen Evolution Reaction** Seong Ku Kim, Wooseok Song, Seulgi Ji, Yi Rang Lim, Young Bum Lee, Sung Myung, Jongsun Lim, Ki-Seok An, and Sun Sook Lee *Thin Film Materials Research Center, Korea Research Institute of Chemical Technology*
WA4-P-6 **16:40-16:55**	**Fiber-Type Piezoelectric Nanogenerators Using $PbTiO_3$ Nanotube Arrays for Harvesting Wind Energy** Jin Kyu Han[1], Young Bum Lee[1], Suttinart Noothongkaew[2], Seong Ku Kim[1], Wooseok Song[1], Sung Myung[1], Sun Sook Lee[1], Jongsun Lim[1], and Ki-Seok An[1] *[1]Thin Film Materials Research Center, Korea Research Institute of Chemical Technology, [2]Faculty of Science, Ubon Ratchathani University*
WA4-P-7 **16:55-17:10**	**In Vivo Self-Powered Wireless Data Transmission Using Biocompatible Flexible Piezoelectric Nanogenerators** Dong Hyun Kim and Keon Jae Lee *Department of Material Science and Engineering, KAIST*