



제25회 한국반도체학술대회

The 25th Korean Conference on Semiconductors

2018년 2월 5일(월)-7일(수), 강원도 하이원리조트 컨벤션 호텔

2018년 2월 6일(화), 14:10-15:55

Room G (봉래III+III, 6층)

J. Nano-Science & Technology 분과

[TH2-J] Two Dimensional Nano Materials

좌장: 이태우 교수(서울대학교), 정대성 교수(DGIST)

TH2-J-1 14:10-14:40	[초청] Light Induced Directed Self-Assembly of Block Copolymers on Chemically Modified Graphene Sang Ouk Kim, Hyeong Min Jin, and Ju Young kim <i>Department of Materials Science & Engineering, KAIST</i>
TH2-J-2 14:40-14:55	Self-Polarized Organic Light Emitting Diodes based on MoS₂ Nanosheets Quy ¹ , Gyu Jin Choi ² , Kyoung Soon Choi ³ , Ki Chang Kwon ⁴ , Ho Won Jang ⁴ , Jin Seog Gwag ² , and Soo Young Kim ¹ <i>¹School of Chemical Engineering and Materials Science, Chung-Ang University, ²Department of Physics, Yeungnam University, ³Advanced Nano-Surface Research Group, KBSI, ⁴Department of Materials Science and Engineering, Research Institute of Advanced Materia</i>
TH2-J-3 14:55-15:10	Layer-Index and Valley-Index of Electrons in 2D Transition Metal Dichalcogenides for Optoelectronic Applications: 3R MoS₂ Jaehong Park ^{1,2} , Cheol Seong Hwang ² , and Jung-Hae Choi ¹ <i>¹Center for Electronic Materials, KIST, ²Department of Materials Science and Engineering, and Inter-university Semiconductor Research Center, Seoul National University</i>
TH2-J-4 15:10-15:25	Gas Ambient Effects on Electrical Characteristics of Multi-Layered MoTe₂ Thin Film Transistors Min Seok Chae, Da Un Kim, Do Bin Kim, Seung Gi Seo, and Sung Hun Jin <i>Department of Electronic Engineering, Incheon National University</i>
TH2-J-5 15:25-15:40	Molecular-Scale Rectifier Employing Hybrid Junction Architecture Consisting of the 2D MoS₂ and the Conjugated Molecule Jaeho Shin, Seunghoon Yang, Chulho Lee, and Gunuk Wang <i>KU-KIST Graduate School of Converging Science and Technology, Korea University</i>
TH2-J-6 15:40-15:55	Accurate First Principles Simulations of a Metal and MoTe₂ Device Using the DFT and NEGF Maeng-Eun Lee, D. Stradi, J. Wellendorf, P. Khomyakov, U. Vej-Hansen, S. Smidstrup, and K. Stokbro <i>Synopsys QuantumWise</i>