



제 31회 한국반도체학술대회

The 31st Korean Conference on Semiconductors

2024년 1월 24일(수)-26일(금) | 경주화백컨벤션센터(HICO)

2024년 1월 26일(금), 09:00-10:45

Room C(103), 1층

J. Nano-Science & Technology 분과

[FC1-J] 2D Electronics

좌장: 김태욱 교수(전북대학교)

<p>초청발표</p> <p>FC1-J-1</p> <p>09:00-09:30</p>	<p>2D Materials beyond the Limit of 3D Bulk Semiconductors</p> <p>Hyesung Park^{1,2}</p> <p>¹Department of Integrative Energy Engineering, Korea University, ²Ku-Kist Graduate School of Converging Science and Technology, Korea University</p>
<p>FC1-J-2</p> <p>09:30-09:45</p>	<p>Monolayer MoS₂ Barristor with Covalently Bonded Semi-metal Contact</p> <p>Dong-Yeong Kim^{1,2}, Min-Yeong Choi^{1,2}, Gun Woo Yoo^{1,2}, Ju-Hyun Jung^{1,2}, Gunho Moon^{1,3}, Moon-Ho Jo^{1,3}, and Cheol-Joo kim^{1,2}</p> <p>¹Center for Van der Waals Quantum Solids, IBS, ²Department of Chemical Engineering, POSTECH, ³Department of Materials Science and Engineering, POSTECH</p>
<p>FC1-J-3</p> <p>09:45-10:00</p>	<p>Anomalous Temperature Dependence of Current-Voltage Characteristics Observed in Graphene/n-Si(100) Junction</p> <p>Jiwan Kim¹, Hoon Hahn Yoon², Wonho Song³, Junhyung Kim⁴, Sungchul Jung⁵, Eunseok Hyun¹, and Kibog Park^{1,6}</p> <p>¹Department of Physics, UNIST, ²School of Electrical Engineering and Computer Science, GIST, ³LG Display, ⁴Terrestrial & Non-Terrestrial Integrated Telecommunications Research Laboratory, ETRI, ⁵SK hynix, ⁶Department of Electrical Engineering, UNIST</p>
<p>초청발표</p> <p>FC1-J-4</p> <p>10:00-10:30</p>	<p>Improving the Graphene Conductivity: Exploring Doping Techniques</p> <p>Sukang Bae</p> <p>Functional Composite Materials Research Center, KIST</p>
<p>FC1-J-5</p> <p>10:30-10:45</p>	<p>Enhanced Photocurrent Generation in Transition Metal Dichalcogenide Heterostructures under Optical Pulse Illumination</p> <p>Jung Woo Lee, Hyeon Sik Jang, Bhisma Pandit, Joung Woo Bong, Ki Hyun Kim, Hag Youl Bae, and Keun Heo</p> <p>School of Semiconductor Science & Technology, Jeonbuk National University</p>