



Future Normal in Semiconductor

2025-02-13(목), 10:55-12:40

좌장: 추후업데이트 예정

J. Nano-Science & Technology 분과

[TG2-J] Emerging Nanomaterial Electronics

<p>초청 TG2-J-1 10:55-11:25</p>	<p>Single Element, Multiple Functions: Te-based Nanoelectronics Joonki Suh^{1,2} ¹Department of Materials Science and Engineering, UNIST, ²Graduate School of Semiconductor Materials and Devices Engineering, UNIST</p>
<p>TG2-J-2 11:25-11:40</p>	<p>A Ternary Inverter based on 2D Tellurium/IGZO Heterojunction FET with MXene H. J. Park¹, J. P. Hong¹, M. S. Jeong¹, J. Jang², H. Kim³, and H. Oh³ ¹Department of Physics, Hanyang University, ²Department of Energy Science, Sungkyunkwan University, ³Department of Physics, Soongsil University</p>
<p>TG2-J-3 11:40-11:55</p>	<p>Negative Differential Transconductance in CMOS-Integrable 2D Ambipolar Tellurene Transistor for Multi-Valued Logic Computing Yuna Kim¹, Jihoon Huh^{1,2}, Bolim You^{1,2}, Moonsang Lee^{1,2}, Mino Yang³, Unjeong Kim⁴, Min-Kyu Joo^{5,6,7}, and Myung Gwan Hahm^{1,8} ¹Inha University, ²Program in Semiconductor Convergence, Inha University, ³Korea Basic Science Institute Seoul</p>
<p>TG2-J-4 11:55-12:10</p>	<p>2-Dimensional InSe Ambipolar Transistors and Their Conversion to Reconfigurable Electronics Dongju Yeom¹, Minsu Kim¹, Yongwook Seok¹, Jungi Song¹, Yeonghyeon Ko¹, Kayoung Lee¹, Hanbyeol Jang², and YiTaek Choi² ¹School of Electrical Engineering, KAIST, ²School of Materials Science and Engineering, GIST</p>
<p>TG2-J-5 12:10-12:25</p>	<p>Bundle-Free Aligned Semiconductor Carbon Nanotubes for Field-Effect Transistors Yehyun Shin¹, Sungmin Eum¹, Haksoon Jung², and Jimin Kwon^{1,2} ¹Graduate School of Semiconductor Materials and Devices Engineering, UNIST, ²Department of Electrical Engineering, UNIST</p>
<p>TG2-J-6 12:25-12:40</p>	<p>Fabrication of Nanoscale Underlap Carbon Nanotube Field-Effect Transistors on 8-inch Wafer with Enhanced Electrical Performance Jun-Ho Jang¹, Hanbin Lee¹, Gyeongsu Min¹, Hyo-In Yang¹, So-Jeong Park¹, Jeong Yeon Im¹, Ji Won Park¹, Seonghyeon Jeong¹, Dae Hwan Kim¹, Jong-Ho Bae¹, Min-</p>



제 32회 한국반도체학술대회

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