



제 30회 한국반도체학술대회

The 30th Korean Conference on Semiconductors

2023년 2월 13일(월)~ 15일(수) | 강원도 하이원리조트(그랜드호텔 컨벤션타워)

2023년 2월 14일(화), 09:00-10:45

Room D (사파이어 II+III, 5층)

J. Nano-Science & Technology 분과

[TD1-J] Functional Electronic Materials I

좌장: 왕건욱 교수(고려대학교), 강흥기 교수(DGIST)

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| <p>TD1-J-1 09:00-09:30 [초청]</p> | <p>Photo-Thermal Effect Directed Molecular Self-Assembly Hyeong Min Jin Chungnam National University</p> |
| <p>TD1-J-2 09:30-09:45</p> | <p>Enhanced Energy Conversion Efficiency of 3D Complaint CNT-Based Thermoelectric Generators via Direct Ink Wiring Process and Optimizing the Heat Transfer Model Seongkwon Hwang^{1,2}, Doojoon Jang¹, Byeongmoon Lee¹, Heesuk Kim¹, Jeonghun Kwak², and Seungjun Chung¹ ¹Soft Hybrid Materials Research Center, KIST, ²Department of Electrical and Computer Engineering, Seoul National University</p> |
| <p>TD1-J-3 09:45-10:00</p> | <p>Ferrocene-Alkanethiolate Molecular Transistor Junctions with Ion Gel Gating Minwoo Song¹, Jongwoo Nam¹, Changjun Lee¹, Wang-Taek Hwang¹, Keehoon Kang², and Takhee Lee¹ ¹Department of Physics and Astronomy, Seoul National University, ²Department of Materials Science and Engineering, Seoul National University</p> |
| <p>TD1-J-4 10:00-10:15</p> | <p>Incorporating Perovskite Powder into Light-Emitting Diodes by Single Source Thermal Evaporation and Host-Dopant System Myeong Jin Seol, Sa Rang Bae, and Soo Young Kim Department of Materials Science and Engineering, Korea University</p> |
| <p>TD1-J-5 10:15-10:30</p> | <p>Surface-Doping-Induced Photodetection in InSe/Graphene Heterostructures Hanbyeol Jang¹, Yongwook Seok², Yi Taek Choi¹, Sang-Hoo Cho¹, Kenji Watanabe³, Takashi Taniguchi³, and Kayoung Lee² ¹School of Materials Science and Engineering, GIST, ²School of Electrical Engineering, KAIST, ³National Institute for Materials Science</p> |
| <p>TD1-J-6 10:30-10:45</p> | <p>Three-Terminal Vertical Synaptic Barristor based on Schottky Barrier Height Modulation with Organic Ferroelectric Materials Seonggil Ham, Jingon Jang, Dohyoung Koo, Seonghoon Jang, Chul-Ho Lee, and Gunuk Wang KU-KIST Graduate School of Converging Science and Technology, Korea University</p> |