



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)

TD1-J-1 09:00-09:30 [초청]	Photo-Thermal Effect Directed Molecular Self-Assembly Hyeong Min Jin Chungnam National University
TD1-J-2 09:30-09:45	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 Jang ¹ , Byeongmoon Lee ¹ , Heesuk Kim ¹ , Jeonghun Kwak ² , and Seungjun Chung ¹ ¹ Soft Hybrid Materials Research Center, KIST, ² Department of Electrical and Computer Engineering, Seoul National University
TD1-J-3 09:45-10:00	Ferrocene-Alkanethiolate Molecular Transistor Junctions with Ion Gel Gating Minwoo Song ¹ , Jongwoo Nam ¹ , Changjun Lee ¹ , Wang-Taek Hwang ¹ , Keehoon Kang ² , and Takhee Lee ¹ ¹ Department of Physics and Astronomy, Seoul National University, ² Department of Materials Science and Engineering, Seoul National University
TD1-J-4 10:00-10:15	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
TD1-J-5 10:15-10:30	Surface-Doping-Induced Photodetection in InSe/Graphene Heterostructures Hanbyeol Jang ¹ , Yongwook Seok ² , Yi Taek Choi ¹ , Sang-Hoo Cho ¹ , Kenji Watanabe ³ , Takashi Taniguchi ³ , and Kayoung Lee ² ¹ School of Materials Science and Engineering, GIST, ² School of Electrical Engineering, KAIST, ³ National Institute for Materials Science
TD1-J-6 10:30-10:45	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