



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

2022년 1월 24일(월)~ 26일(수) | 강원도 하이원 그랜드호텔(컨벤션타워)

2022년 1월 26일(수), 10:45-12:30

Room G (스페이드 II+III, 6층)

J. Nano-Science & Technology 분과

[WG2-J] Functional Electronic Materials II

좌장: 김선주 교수(중앙대학교), 왕건욱 교수(고려대학교)

<p>WG2-J-1 10:45-11:00</p>	<p>Deep-Etched Si Microstructures via Metal-Assisted Chemical Etching Sunhae Choi, Kyunghwan Kim, Haekyun Bong, and Jungwoo Oh <i>School of Integrated Technology, Yonsei University</i></p>
<p>WG2-J-2 11:00-11:30</p>	<p>Stretchable Biodegradable Materials for Waste Free Electronic Patch Seung-Kyun Kang <i>Department of Materials Science and Engineering, Seoul National University</i></p>
<p>WG2-J-3 11:30-11:45</p>	<p>Cooler-free Operation of Micro-bolometer Based on Amorphous Vanadium Oxide (a-VO_x) Thin Film Thermistor up to 120°C Dasom Wang^{1,2}, Jaeyeong Bae^{1,3}, Ho Won Jang², Donghee Park¹, and Won Jun Choi¹ ¹<i>Center for Opto-Electronic Materials and Devices, KIST</i>, ²<i>Department of Materials Science and Engineering, Seoul National University</i>, ³<i>Department of Materials Science and Engineering, Korea University</i></p>
<p>WG2-J-4 11:45-12:00</p>	<p>Transition Metal Ion Doping Enhances the Electrochemical CO₂ Reduction Efficiency of ZIF-8 Jin Hyuk Cho and Soo Young Kim <i>Korea University</i></p>
<p>WG2-J-5 12:00-12:15</p>	<p>Modified Stoner-Wohlfarth Model Using Dispersion of Magnetic Easy Axis to Apply to Magnetization Switching Behavior of FePt-C Granular Films Donghyeon Lee¹, Donghyeon Han², Seyeop Jung¹, Nyun Jong Lee¹, Suzuki Ippei³, Takahashi Yukiko³, Jungmin Park⁴, and Sanghoon Kim¹ ¹<i>Department of Physics, University of Ulsan</i>, ²<i>Materials Science and Engineering, KAIST</i> ³<i>NIMS</i>, ⁴<i>Department of Physics, KAIST</i></p>
<p>WG2-J-6 12:15-12:30</p>	<p>High-performance Stretchable Thermoelectric Generators via Reducing the Contact Resistance of Intrinsically Stretchable Electrodes Hyeon Cho¹, Dongju Jang¹, Byeongmoon Lee², Seungjun Chung², and Yongtaek Hong¹ ¹<i>Department of Electrical and Computer Engineering, Seoul National University</i>, ²<i>Soft Hybrid Materials Research Center, KIST</i></p>