



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

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

2022년 1월 26일(수), 09:00-10:30

Room G (스페이드 II+III, 6층)

J. Nano-Science & Technology 분과 [WG1-J] Neuromorphic Electronics II

좌장: 김태욱 교수(전북대학교), 왕건욱 교수(고려대학교)

<p>WG1-J-1 09:00-09:15</p>	<p>Artificial Stimuli-Response System Capable of Conscious Response Seongchan Kim¹, Dong Gue Roe², Yoon Young Choi³, Hwije Woo¹, Joongpill Park⁴, Jong Ik Lee⁵, Yongsuk Choi³, Sae Byeok Jo³, Moon Sung Kang⁵, Young Jae Song¹, Sohee Jeong⁴, and Jeong Ho Cho³ ¹SKKU Advanced Institute of Nanotechnology (SAINT), Sungkyunkwan University, Sungkyunkwan University, ²School of Electrical and Electronic Engineering, Yonsei University, ³Department of Chemical and Biomolecular Engineering, Yonsei University, ⁴Department of Energy Science and Center for Artificial Atoms, Sungkyunkwan University, ⁵Department of Chemical and Biomolecular Engineering, Sogang University</p>
<p>WG1-J-2 09:15-09:45</p>	<p>Sensory Neuromorphic Device Technology Je-Jun Lee, Seunghwan Seo, Ju-Hee Lee, and Jin-Hong Park Department of Electrical and Computer Engineering, Sungkyunkwan University</p>
<p>WG1-J-3 09:45-10:00</p>	<p>Artificial Synapse Devices Using the Liquid for Low Power Consumption Dongshin Kim, Ik-Jyae Kim, and Jang-Sik Lee Department of Materials Science and Engineering, POSTECH</p>
<p>WG1-J-4 10:00-10:15</p>	<p>Ion-based Synaptic Device of Alkali Ion Intercalated 2D Metal Oxide Gichang Noh^{1,2}, Jeongho Kim², Eunpyo Park¹, Yooyeon Jo¹, Hamid Reza Rasouli³, Min-kyung Jo², Talip Serkan Kasirga³, Kibum Kang², and Joon Young Kwak¹ ¹Center of Neuromorphic Engineering, KIST, ²Department of Materials Science and Engineering, KAIST, ³Department of Materials Science and Nanotechnology, Bilkent University</p>
<p>WG1-J-5 10:15-10:30</p>	<p>Hafnia-Based Ferroelectric Thin-film Transistors for Advanced Neuromorphic Applications Ik-Jyae Kim, Min-Kyu Kim, Dongshin Kim, and Jang-Sik Lee Department of Materials Science and Engineering, POSTECH</p>