



## K. Memory (Design & Process Technology) 분과

2021년 1월 27일(수), 14:45-16:15 / 채널 D

### [WD4-K] Devices for Neuromorphic Computing I

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<p><b>WD4-K-1</b> 14:45-15:15</p>	<p><b>[초청]</b> <b>Flash-type Synaptic Device with Improved Nonlinear Weight Updates</b> Joon Young Kwak <i>KIST</i></p>
<p><b>WD4-K-2</b> 15:15-15:30</p>	<p><b>Improvement of the Linearity of Synaptic Behavior of IGZO Memristor by Combining the IGZO Synaptic Transistor</b> Woo Sik Choi, Jun Tae Jang, Tae Jun Yang, Sung-Jin Choi, Jong-Ho Bae, Dong Myong Kim, and Dae Hwan Kim <i>School of Electrical Engineering, Kookmin University</i></p>
<p><b>WD4-K-3</b> 15:30-15:45</p>	<p><b>Atomic Layer Deposited N-doped GeSe for Leaky-Integrate-and-Fire Neuron Application</b> Woohyun Kim<sup>1,2</sup>, Manick Ha<sup>1,2</sup>, Chanyoung Yoo<sup>1,2</sup>, Jeong Woo Jeon<sup>1,2</sup>, Wonho Choi<sup>1,2</sup>, Byongwoo Park<sup>1,2</sup>, Gil Seop Kim<sup>1,2</sup>, Kyung Seok Woo<sup>1,2</sup>, Jihun Kim<sup>1,2</sup>, Yoon Ho Jang<sup>1,2</sup>, Eui-Sang Park<sup>1,2</sup>, Yoon Kyeong Lee<sup>3</sup>, and Cheol Seong Hwang<sup>1,2</sup> <sup>1</sup><i>Department of Materials Science and Engineering, Seoul National University,</i> <sup>2</sup><i>Inter-University Semiconductor Research Center, Seoul National University,</i> <sup>3</sup><i>Division of Advanced Materials Engineering, Jeonbuk National University</i></p>
<p><b>WD4-K-4</b> 15:45-16:00</p>	<p><b>자체 적응형 뉴로모픽 시스템을 위한 온-칩 적응형 매칭 학습 방법</b> 안지훈, 최현석, 김윤 <i>서울시립대학교 전자전기컴퓨터공학부</i></p>
<p><b>WD4-K-5</b> 16:00-16:15</p>	<p><b>Structure Engineering of CBRAM-synaptic Devices for Improved Gradual Switching and Long-term Stability</b> Jun-Hwe Cha<sup>1</sup>, Jungyeop Oh<sup>1</sup>, Changhyeon Lee<sup>2</sup>, Sangsu Park<sup>3</sup>, Sung Gap Im<sup>2</sup>, and Sung-Yool Choi<sup>1</sup> <sup>1</sup><i>School of Electrical Engineering, KAIST,</i> <sup>2</sup><i>Department of Chemical and Biomolecular Engineering, KAIST,</i> <sup>3</sup><i>Future Memory Research, SK Hynix Inc.</i></p>