



## Future Normal in Semiconductor

2025-02-13(목), 09:00-10:45

좌장: 추후업데이트 예정

### D. Thin Film Process Technology 분과

#### [TC1-D] Emerging Devices - I

<p>초청 TC1-D-1 09:00-09:30</p>	<p><b>Atomic Layer Deposition of Chalcogenide Materials for Futuristic Memory Devices</b> Chanyoung Yoo Hongik University</p>
<p>TC1-D-2 09:30-09:45</p>	<p><b>Self-rectifying RRAM with CMOS Compatible Materials</b> So Jung Yoo and Gun Hwan Kim Department of System Semiconductor Engineering, Yonsei University</p>
<p>TC1-D-3 09:45-10:00</p>	<p><b>Self-rectifying Resistive Memory in 4K Passive Crossbar Arrays</b> Ik Joon Seo and Gun Hwan Kim Department of System Semiconductor Engineering, Yonsei University</p>
<p>TC1-D-4 10:00-10:15</p>	<p><b>Thermal Perspective on the Impact of Operating Current in Selector-Only Memory Devices: A Study of Joule Heating Effect</b> Ju Hwan Park<sup>1</sup>, Hyun Wook Km<sup>1</sup>, Se Hwan Jeon<sup>1</sup>, Tae Jun Yang<sup>1</sup>, Byung Joon Choi<sup>1</sup>, Guesuk Lee<sup>2</sup>, Sungsoon Choi<sup>2</sup>, and Tae Hee Jung<sup>2</sup> <sup>1</sup>Seoul National University of Science and Technology, <sup>2</sup>KETI</p>
<p>TC1-D-5 10:15-10:30</p>	<p><b>Selector-Only Memory with Switchable Threshold Voltage Behavior</b> Hyun Kyu Seo, Jae Jun Lee, Min Kyung Lee, Se Yeon Jeong, and Min Kyu Yang Sahmyook University</p>
<p>TC1-D-6 10:30-10:45</p>	<p><b>The Effects of Indium Doping on the Structural and Electrical Properties of the Selector-Only-Memory (SOM) Device</b> Won Hee Jeong and Gun Hwan Kim Department of System Semiconductor Engineering, Yonsei University</p>