

[TS10T5]

Nanoelectronic and Quantum Devices 5

Date & Time	July 4(Thu.), 2024 / 15:40-17:40
Place	Room 206A
Session Chair(s)	Hyeon-Jin Shin (GIST)

TS10T5_I_1 *Invited 15:40-16:10

Harnessing Novel Hall Effects for Spintronics

Roland Kawakami
(The Ohio State University)

TS10T5_I_2 *Invited 16:10-16:40

Bioinspired In-Sensor Spectral Adaptation for Perceiving Spectrally Distinctive Features

Yang Chai
(The Hong Kong Polytechnic University)

TS10T5_O_3 16:40-16:55

Two-Dimensional Materials-Based Transistor and Photodetector Array for High-Performance Flexible X-ray Detector

Beom Jin Kim¹, Bangjie Shao², Chai Yang², and Jong-Hyun Ahn¹
(¹Yonsei University, ²The Hong Kong Polytechnic University)

TS10T5_O_4 16:55-17:10

Dual Ferroelectric Stack with Tunable Coercive Voltage for High-Density 3D Memory Applications

Jiae Jeong and Jiyong Woo
(Kyungpook National University)

TS10T5_O_5 17:10-17:25

Effect of Al Dopant Distribution in HfO₂ Layer on Ferroelectric Switching Characteristics

Hyoungjin Park and Jiyong Woo
(Kyungpook National University)

TS10T5_O_6 17:25-17:40

Improvement of Synaptic Properties in Copper Ion-Based Synaptic Transistor for Neuromorphic Computing Systems

Seonuk Jeon and Jiyong Woo
(Kyungpook National University)