[TS01F7]

Nanoelectronics 7

Date & Time	July 10(Fri.), 2026 / 14:00-16:30
Place	Room 207
Session Chair(s)	Prof. Min-Kyu Joo (Sookmyung Women's University)

TS01F7_I_1 ***Invited** 14:00-14:30

High-Fidelity Swelling Monitoring in OECTs Enabled by Laser Doppler Vibrometer

Wei Huang

(University of Electronic Science and Technology of China)

TS01F7_I_2 ***Invited** 14:30-15:00

Engineering Biological Functionality in Neuromorphic Devices

Moonsang Lee

(Inha University)

TS01F7_I_3 ***Invited** 15:00-15:30

Contribution of the Berry Curvature Dipole to the Nonlinear Hall Effect

Ji-Eun Lee[1,2], Choongyu Hwang[3], Se Young Park[4], Chaun Jang[2], and Hyejin Ryu[2]

([1]Lawrence Berkeley National Laboratory, [2]Korea Institute of Science and Technology, [3]Pusan National University, [4]Soongsil University)

TS01F7_O_4 ***YSA Applied** 15:30-15:45

Correlated 1/f^3 Noise in Photo-NDR Heterojunctions for Secure Bio-Signal

Won Woo Lee, Youngmin Han, and Hocheon Yoo

(Hanyang University)

TS01F7_O_5 ***YSA Applied** 15:45-16:00

InN-GaN Heterostructure Nanorod Diode for Flexible and Freestanding Photovoltaic Devices

Han Ik Kim, Eunsu Lee, Imhwan Kim, Jinhee Baek, Asad Ali, Yonghoon Jung, Jihwan Kim, Beomjin Kim, and Gyu-Chul Yi

(Seoul National University)

TS01F7_O_6 ***YSA Applied** 16:00-16:15

High-Performance Ternary Inverters with Single-Channel SnO via MgO-Induced Type Conversion

Jongyoun Park and Hyun-Yong Yu

(Korea University)

TS01F7_O_7 ***YSA Applied** 16:15-16:30

Dual-Phase Bilayer W Electrode for Enhanced Ferroelectricity and Endurance of HZO-Based FeRAM

Jitae Yoo, Giryun Hong, Jongseo Park, Jiwoung Choi, Jaeseong Pyo, Beomjoo Ham, Jinseok Lee, and Rock-Hyun Baek

(Pohang University of Science and Technology)