

[TS14F6]

Nanometric Metrology and Computation 5

Date & Time	July 5(Fri.), 2024 / 09:00–10:30
Place	Room 209B
Session Chair(s)	Hyejin Jang (Seoul Nat'l Univ.)

TS14F6_I_1 *Invited 09:00–09:30

Oxide-Based Solid-State Electrochemical Thermal Transistors

Hiromichi Ohta

(Hokkaido University)

TS14F6_O_2 09:30–09:45

Solid-State Thermal Transistors with Switching Width of 9.5 W/mK

Ahronng Jeong¹, Mitsuki Yoshimura¹, Zhiping Bian¹, Jason Tam², Bin Feng², Yuichi Ikuhara², Yusaku Magari¹, Takashi Endo¹, Yasutaka Matsuo¹, and Hiromichi Ohta¹

(¹Hokkaido University, ²The University of Tokyo)

TS14F6_O_3 09:45–10:00

Thermal Conductivity of Beta Phase Gallium Oxide from First-Principles

Jaejin Hwang and Jaekwang Lee

(Pusan National University)

TS14F6_O_4 10:00–10:15

Diffusion and Interface Control Growth in Molybdenum Disulfide Microstructure

Chang-Won Choi^{1,2}, Min-Yeong Choi^{1,2}, Cheol-Joo Kim^{1,2}, and Si-Young Choi^{1,2}

(¹IBS, ²POSTECH)

TS14F6_O_5 10:15–10:30

Analyzing Atomical Strain on the Effect of Thermodynamic Factors at MoS₂ Mirror Twin Boundary Transition

Sung-Hyuk Her, Dong-Hwan Yang, Heonsu Ahn, Moon-Ho Jo, and Si-Young Choi

(POSTECH)