

Session Title:	29. Crystalline Semiconductor Devices II
Session Date:	August 21 (Thu.), 2025
Session Time:	11:00-12:20
Session Room:	Room E (311~312)
Session Chair(s):	Prof. Yasaku Magari (Hokkaido Univ., Japan) Dr. SungHaeng Cho (ETRI, Korea)

[E29-1] [Invited]

11:00-11:25

Solid-Phase Crystallization of Indium Oxide for High-Mobility TFTs

Mamoru Furuta, Mir Mutakabbir Alom, Xiaoqian Wang, and Yusaku Magari (Kochi Univ. of Tech., Japan)

[E29-2] [Invited]

11:25-11:50

Emerging Semiconductors Meet New Applications: Security and Neuromorphics

Hochon Yoo (Hanyang Univ., Korea)

[E29-3]

11:50-12:05

Highly-Ordered Crystalline In-Ga-Oxide Grown by Seed Layer-Assisted PEALD for Enhanced Top-Gate FET Performance

Seon Woong Bang and Jae Kyeong Jeong (Hanyang Univ., Korea)

[E29-4]

12:05-12:20

Hexagonal Boron Nitride for Enhanced Crystallization and Interface Control of Tin Halide Perovskites

Taewan Roh, Youjin Reo, Seongmin Heo, Geonwoong Park, Wonryeol Yang, Beomjoo Ham, Jehyun An, Ju-Hyun Jung, Seung Hwa Baek, Rockhyun Baek, Cheol-Joo Kim, and Yong-Young Noh (POSTECH, Korea)