



IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

Session Title	2D Devices & Heterostructures	Session Code	Mo-E2
Date and Time	2018-08-20 / 13:30 - 15:30		
Place	Room E		
Session Chair	TBA		

Mo-E2-1

13:30 - 14:00

[Invited] Novel Van Der Waals Heterostructure Devices with Exceptional Functions

Gwan-Hyoung Lee
Yonsei Univ., Korea

Mo-E2-2

14:00 - 14:30

[Invited] Three-Terminal Artificial Synapse based on Phase-Engineered Two-Dimensional Heterostructures for Neuromorphic Computing

Chul-Ho Lee
Korea Univ., Korea

Mo-E2-3

14:30 - 14:45

Two-Dimensional Layered Materials-based Pnp Heterojunction Devices

Geonyeop Lee, Janghyuk Kim, Hyunik Park, Suhyun Kim, and Jihyun Kim
Korea Univ., Korea

Mo-E2-4

14:45 - 15:00

Heat Spreading in 2D Materials via Van-Der Waals Heterostructures

Fida Ali, Faisal Ahmed, and Won Jong Yoo
Sungkyunkwan Univ., Korea

Mo-E2-5

15:00 - 15:15

Hetero-Structure Transistors based on β -Ga₂O₃ Thin Flakes And 2D Materials

Janghyuk Kim, Gunyeop Lee, Suhyun Kim, Hyunik Park, and Jihyun Lim
Korea Univ., Korea

Mo-E2-6

15:15 - 15:30

Multifunctional Light-Emitting Tunneling Device of Monolayer WSe₂

Huije Ryu, Junyoung Kwon, and Gwan-Hyoung Lee
Yonsei Univ., Korea