

Session Code	[05] MoE3
Session Title	Van der Waals Heterostructures
Date and Time	Monday, October 4, 2021 / 15:30-17:15
Session Room	Room E (303)
Session Chair(s)	Soon-Yong Kwon (UNIST, Korea)

[[05] MoE3-1] Invited Talk **15:30-15:55**

Energy Band Engineering in 2D Semiconductor Heterojunctions

Chul-Ho Lee (*Korea Univ., Korea*)

[[05] MoE3-2] Invited Talk **15:55-16:20**

Facile Synthesis of Patterned 2D Heterostructure and its Sensor Applications

Seoung-Ki Lee (*Pusan Nat'l Univ., Korea*)

[[05] MoE3-3] **16:20-16:35**

Interface Barrier and Current Transport Mechanism Analysis in Gr/MoS₂/N-Type GaN Heterojunction

Vallivedu Janardhanam, Inapagundla Jyothi, Hyeon Cheol Kim, Sosorburam Boldbaatar, and Chel-Jong Choi (*Chonbuk Nat'l Univ., Korea*)

[[05] MoE3-4] **[Online] 16:35-16:50**

Effects of Atomic Reconstruction on the Radiative Recombination of Interlayer Excitons in MoSe₂/WSe₂ Heterobilayers

Ji-Hwan Baek, Hyoungkyun Kim (*Seoul Nat'l Univ., Korea*), Soo Yeon Lim (*Sogang Univ., Korea*), Huije Ryu (*Seoul Nat'l Univ. Korea*), Jung Cheol Kim (*Sogang Univ., Korea*), Miyoung Kim (*Seoul Nat'l Univ., Korea*), Hyeonsik Cheong (*Sogang Univ., Korea*), and Gwan-Hyoung Lee (*Seoul Nat'l Univ., Korea*)

[[05] MoE3-5] Invited Talk **16:50-17:15**

Methodology for Surface Functionalization and Phase Transition of 2D Materials

Gwan-Hyoung Lee (*Seoul Nat'l Univ., Korea*)