

Session Code	[05] TuE1
Session Title	Two Dimensional Electronics, Photonics, and Optoelectronics 1
Date and Time	Tuesday, October 5, 2021 / 10:40-12:00
Session Room	Room E (303)
Session Chair(s)	Gwan-Hyoung Lee (Seoul Nat'l Univ., Korea) Joonki Suh (UNIST, Korea)

[[05] TuE1-1] Invited Talk **[Online] 10:40-11:05**

Rational Design of Schottky and Ohmic Contact between Two Dimensional Materials

Wei Liu (*Nanjing Univ. of Sci. and Tech., China*)

[[05] TuE1-2] Invited Talk **11:05-11:30**

Electrical Manipulation of Quantum Light Sources in 2D Hexagonal Boron Nitride

Jieun Lee (*Seoul Nat'l Univ., Korea*)

[[05] TuE1-3] **[Online] 11:30-11:45**

Highly Efficient Double Gate Light Emitting Transistor based on Van Der Waals Heterostructure

June-Chul Shin (*Seoul Nat'l Univ., Korea*), Junyoung Kwon (*Yonsei Univ., Korea*), Yeon Ho Kim, Chul-Ho Lee (*Korea Univ., Korea*), and Gwan-Hyoung Lee (*Seoul Nat'l Univ., Korea*)

[[05] TuE1-4] **11:45-12:00**

Atomic-Layer-Confined Multiple Quantum Wells Enabled by Monolithic Bandgap Engineering of Transition Metal Dichalcogenides

Yoon Seok Kim (*Korea Univ., Korea*), Sojung Kang (*Seoul Nat'l Univ., Korea*), Jae-Pil So (*Korea Univ., Korea*), Jong Chan Kim (*UNIST, Korea*), Kangwon Kim (*Sogang Univ., Korea*), Seunghoon Yang (*Korea Univ., Korea*), Yeonjoon Jung, Yongjun Shin (*Seoul Nat'l Univ., Korea*), Seongwon Lee, Donghun Lee (*Korea Univ., Korea*), Jin-Woo Park (*Yonsei Univ., Korea*), Hyeonsik Cheong (*Sogang Univ., Korea*), Hu Young Jeong (*UNIST, Korea*), Hong-Gyu Park (*Korea Univ., Korea*), Gwan-Hyoung Lee (*Seoul Nat'l Univ., Korea*), and Chul-Ho Lee (*Korea Univ., Korea*)