

**Room E #105** 13:30-15:30**[Mo-E2]** 2D Devices & Heterostructures**Session Chairs:**

Youngki Yoon (Univ. of Waterloo, Canada),
Woong Choi (Kookmin Univ., Korea)

Mo-E2-1 [Invited] 13:30-14:00**Novel Van Der Waals Heterostructure Devices with Exceptional Functions**

Gwan-Hyoung Lee
Yonsei Univ., Korea

Mo-E2-2 [Invited] 14:00-14:30**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 Kim
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

Room F #106 13:30-15:30**[Mo-F2]** Stretchable Electrodes and Applications II**Session Chairs:**

Christoph Keplinger (Univ. of Colorado Boulder, USA),
Virgilio Mattoli (IIT, Italy)

Mo-F2-1 [Invited] 13:30-14:00**Soft Materials Engineering to Enhance Sensitivity of Stretchable Sensors**

Xiaodong Chen
Nanyang Technological Univ., Singapore

Mo-F2-2 [Invited] 14:00-14:30**Light-Emitting Electrochemical Cells for Semiconductor Lasers**

Taishi Takenobu
Nagoya Univ., Japan

Mo-F2-3 14:30-14:45**Highly Flexible and Bright Alternating Current Electroluminescent Devices based on Ag Nanowire Electrodes**

Guojin Liang¹, Ming Yi¹, Haibo Hu², Changhui Ye², and Yunbin He¹
¹Hubei Univ., China, ²CAS, China

Mo-F2-4 14:45-15:00**Helical Structured Stretchable Conductive Fiber for Wearable Electronics**

Janghoon Woo, Jaekang Song, Jaehong Lee, and Taeyoon Lee
Yonsei Univ., Korea

Mo-F2-5 15:00-15:15**Tensile-Induced Generation of Surface Microfibrils Network on Block Copolymer Elastomers and its Use for Stretchable Tactile Sensor Arrays**

Sungmin Moon and Unyong Jeong
POSTECH, Korea