

**Room E #105** 13:30-15:30**[Tu-E2]** 2D Materials & Electronic Properties**Session Chairs:**

Heejun Yang (Sungkyunkwan Univ., Korea),
Woong Choi (Kookmin Univ., Korea)

Tu-E2-1 [Invited] 13:30-14:00**Ultrathin 2D Nanosheets for Electron Device Applications**

Seongil Im
Yonsei Univ., Korea

Tu-E2-2 [Invited] 14:00-14:30**Fermi Level Pinning of Two Dimensional Materials**

Won Jong Yoo
Sungkyunkwan Univ., Korea

Tu-E2-3 [Invited] 14:30-15:00**Novel 2D Interface with Silicon, Graphene, Transition Metal Dichalcogenides and Ca₂N**

Heejun Yang
Sungkyunkwan Univ., Korea

Tu-E2-4 15:00-15:15**SnS₂-Coated SiO₂ Nanorods for Highly Sensitive NO₂ Sensor at Room Temperature with Excellent Recovery**

Jun Min Suh¹, Ki Chang Kwon¹, Kyung Soon Choi²,
Seung-Pyo Hong¹, Tae Hyung Lee¹, Kootak Hong¹, Chung
Won Lee¹, Young Geun Song³, Young-Seok Shim³, and Ho
Won Jang¹
¹Seoul Nat'l Univ., Korea, ²KBSI, Korea, ³KIST, Korea

Tu-E2-5 15:15-15:30**Improving the Stability of High-Performance Multilayer MoS₂ Field-Effect Transistors by O₂ Plasma Treatment and Al₂O₃ Passivation**

Na Liu, Jeong Hun Kim, Soo Ho Choo, Naqi Siddiqi, and
Sunkook Kim
Sungkyunkwan Univ., Korea

Room F #106 13:30-15:30**[Tu-F2]** Stretchable Systems**Session Chairs:**

Wenlong Cheng (Monash Univ., Australia),
Yong Zhu (North Carolina State Univ., USA)

Tu-F2-1 [Invited] 13:30-14:00**Material Design for Stretchable Electronic Devices**

Unyong Jeong
POSTECH, Korea

Tu-F2-2 [Invited] 14:00-14:30**Detecting Mechanical Cues via Soft Material Sensing: Low Cost Technological Solutions and Bioinspired Approaches**

Lucia Beccai
Istituto Italiano di Tecnologia, Italy

Tu-F2-3 14:30-14:45**Tailoring Force Sensitivity And Selectivity by The Microstructural Engineering of Multidirectional Electronic Skins**

Jonghwa Park, Jinyoung Kim, Jaehyung Hong, Hochan
Lee, Youngoh Lee, Seungse Cho, Sung-Woo Kim, Jae Joon
Kim, Sung Youb Kim, and Hyunhyub Ko
UNIST, Korea

Tu-F2-4 14:45-15:00**A Skin-Inspired Tactile Sensor for Super E-Skin**

Yuanzhao Wu^{1,2}, Yiwei Liu¹, Jie Shang¹, and Run-Wei Li¹
¹CAS, China, ²Univ. of CAS, China

Tu-F2-5 15:00-15:15**Electrospun Ti₃C₂T_x MXene Composite Fibers for Wearable Supercapacitor Applications**

Ariana Levitt, Simge Uzun, Mohamed Alhabeab, Genevieve Dion, and Yury Gogotsi
Drexel Univ., USA

Tu-F2-6 15:15-15:30**Flexible Thermoelectric Power Generator for Self-Powered Wearable Electrocardiography**

Choong Sun Kim¹, Hyeong Man Yang², Jinseok Lee¹, Gyu
Soup Lee¹, Hyeongdo Choi¹, Yong Jun Kim¹, Se Hwan
Lim³, Seong Hwan Cho¹, Sang-Gug Lee¹, and Byung Jin
Cho¹
¹KAIST, Korea, ²ERC, Korea, ³Tegway Co. Ltd., Korea