Session Code | [05] TuE3  
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Session Title | Two Dimensional Electronics, Photonics, and Optoelectronics 3
Date and Time | Tuesday, October 5, 2021 / 15:40-17:05
Session Room | Room E (303)
Session Chair(s) | Kibum Kang (KAIST, Korea)  
Jae-Ung Lee (Ajou Univ., Korea)

[[05] TuE3-1] Invited Talk | 15:40-16:05
Extrinsically Doped Two-Dimensional Semiconductors
Joonki Suh (UNIST, Korea)

[[05] TuE3-2] | [Online] 16:05-16:20
Enhanced Photoluminescence of Two-Dimensional Van der Waals Heterostructures Fabricated by Layer-by-Layer Oxidation of MoS$_2$
Sojung Kang (Yonsei Univ., Korea), Yoon Seok Kim (Korea Univ., Korea), Jae Hwan Jeong, Junyoung Kwon, Jong Hun Kim (Yonsei Univ., Korea), Yeonjoon Jung (Seoul Nat’l Univ., Korea), Jong Chan Kim (Ulsan Nat’l Inst. of Science and Tech., Korea), Bumho Kim (Columbia Univ., USA), Sang Hyun Bae, Pinshane Y. Huang (Univ. of Illinois, USA), James C. Hone (Columbia Univ., USA), Hu Young Jeong (Ulsan Nat’l Inst. of Science and Tech., Korea), Jin-Woo Park (Yonsei Univ., Korea), Chul-Ho Lee (Korea Univ., Korea), and Gwan-Hyoung Lee (Seoul Nat’l Univ., Korea)

[[05] TuE3-3] | 16:20-16:35
Low-Temperature and High-Quality Growth of Bi$_2$O$_2$Se Layered Semiconductors via Cracking Metal-Organic Chemical Vapor Deposition
Hyun-Jun Chai, Minsoo Kang, Han Beom Jung, Cheolmin Park (KAIST, Korea), In-Young Jung (Hanyang Univ. and KRISS, Korea), Eunpyo Park (KIST, Korea), Mert Miraç Çiçek (Ankara Univ. and Bilkent Univ., Turkey), Injun Lee, Byeong-Soo Bae (KAIST, Korea), Engin Durgun (Bilkent Univ., Turkey), Joon Young Kwak (KIST, Korea), Seungwoo Song (KRISS, Korea), Sung-Yool Choi (KAIST, Korea), Hu Young Jeong (UNIST, Korea), and Kibum Kang (KAIST, Korea)

[[05] TuE3-4] | [Online] 16:35-16:50
Analysis of Persistent Photoconductivity in ReS$_2$ Thin Film Transistor
JeJun Lee and Jin-Hong Park (Sungkyunkwan Univ., Korea)

[[05] TuE3-5] | 16:50-17:05
Temperature Gradient Modulation of MoTe$_2$ for Phase and Composition Engineering via Van Der Waals Encapsulation
Huije Ryu, Yunah Lee (Seoul Nat’l Univ., Korea), Jae Hwan Jung, Yangjin Lee (Yonsei Univ., Korea), Yeryun Cheon (Sogang Univ., Korea), Kwanpyo Kim (Yonsei Univ., Korea), Hyeonsik Cheong (Sogang Univ., Korea), and Gwan-Hyoung Lee (Seoul Nat’l Univ., Korea)