### Session Code: [05] ThE1

**Session Title**: Theory and Simulation of 2D Materials  
**Date and Time**: Thursday, October 7, 2021 / 10:40-11:50  
**Session Room**: Room E (303)  
**Session Chair(s)**: Jae-Ung Lee (Ajou Univ., Korea)

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**[05] ThE1-1] Keynote Talk**  
Two-Dimensional Transition Metal Carbides and Borides  
Zhimei Sun and Jian Zhou (*Beihang Univ., China*)

**[05] ThE1-2] Invited Talk**  
Tuning the Electronic Properties of Two-Dimensional Transition Metal Selenides and Its Applications: First-Principles Study  
Won June Kim (*Changwon Nat’l Univ., Korea*)

**[05] ThE1-3**  
Jongyeong Lee, Yeongdong Lee, Jaemin Kim, Handolsam Chung, and Zonghoon Lee (*IBS, Korea and UNIST, Korea*)