



IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

Session Title	Design of Advanced Materials I	Session Code	We-I2
Date and Time	2018-08-22 / 13:30 - 15:30		
Place	Room I		
Session Chair	TBA		

We-I2-1

13:30 - 14:00

[Invited]Origin of Dirac Cone Formation in 2D Binary Materials: “Divide-and-Couple” Mechanism

Yi Liu and Xu-Ming Qin
Shanghai Univ., China

We-I2-2

14:00 - 14:15

Pressure Induced Topological Phase Transition in Layered Bi₂S₃

Yuan Ping Feng¹, Ming Yang², Yongzheng Luo¹, Minggang Zeng³, Lei Shen¹, Yunhao Lu⁴, Jun Zhou¹, Shijie Wang², and lam Keong Sou⁵
¹Nat'l Univ. of Singapore, Singapore, ²Inst. of Materials Research and Engineering, Singapore, ³Data Storage Inst., Singapore, ⁴Zhejiang Univ., China, ⁵The Hong Kong Univ. of Sci. and Tech., China

We-I2-3

14:15 - 14:30

New Structure Prediction of Novel Carbon Phases based on a Multi-Start Local Search Approach

Hiroshi Mizuseki and Babu Ram
KIST, Korea

We-I2-4

14:30 - 15:00

[Invited]Triply Degenerate Nodal Point Semimetals

Hongming WENG
¹CAS, China

We-I2-5

15:00 - 15:15

DFT-based Modeling of Crystalline γ -Al₂O₃/ β -Ga₂O₃ Interface

Junsung Park and Sung-Min Hong
GIST, Korea

We-I2-6

15:15 - 15:30

Comparison of Empirical Potentials for Calculating Structural Properties of Amorphous Carbon Films by Molecular Dynamics Simulation

Xiaowei Li and Kwang-Ryeol Lee
KIST, Korea