



IUMRS-ICEM 2018

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

Session Title	Thermoelectric I	Session Code	Tu-H1
Date and Time	2018-08-21 / 10:30 - 12:30		
Place	Room H		
Session Chair	TBA		

Tu-H1-1

10:30 - 11:00

[Invited] Development of Hybrid Effect Nanocomposites and Advanced Thermal and Electrical Nanomeasurements

Takao Mori
NIMS, Japan

Tu-H1-2

11:00 - 11:30

[Invited] Design of Multi-Defect Structures in Polycrystalline (Bi,Sb)₂Te₃ Alloys for Thermal Conductivity Reduction

Sang-il Kim
Univ. of Seoul, Korea

Tu-H1-3

11:30 - 12:00

[Invited] Phonon Dispersion and Scattering Considerations for Thermoelectrics

Yanzhong Pei
Tongji Univ., China

Tu-H1-4

12:00 - 12:15

Chemical Potential Tuning and Enhancement of Thermoelectric Properties in the Vicinity of Topological Phase Transition in (Pb_{0.5}Sn_{0.5})_{1-x}KxTe_{0.95}Se_{0.05} Compounds

Dianta Ginting^{1,2}, Chan-Chieh Lin¹, Ga Reoung Kim¹, Bora Won¹, Hyeon Seob So¹, Jae Hyun Yun¹, Hosun Lee¹, and Jong-Soo Rhyee¹
¹Kyung Hee Univ., Korea, ²Mercu Buana Univ., Indonesia

Tu-H1-5

12:15 - 12:30

Influence of RGO on The Thermoelectric Properties of SrTiO₃-RGO Composites

Jamil Ur Rahman^{1,2}, Soonil Lee², Woo Hyun Nam¹, Van Du Nguyen^{1,2}, Gul Rahman³, Altaf Ur Rahman³, Kyu Hyoung Lee⁴, Won Seon Seo¹, Woen Ho Shin¹, and Myong Ho Kim²
¹KICET, Korea, ²Changwon Nat'l Univ., Korea, ³Quaid-i-Azam Univ. Islamabad, Pakistan, ⁴Yonsei Univ., Korea