



IUMRS-ICEM 2018

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

Session Title	Thermoelectric II	Session Code	Tu-H2
Date and Time	2018-08-21 / 13:30 - 15:30		
Place	Room H		
Session Chair	TBA		

Tu-H2-1

13:30 - 14:00

[Invited] Cu-based Thermoelectric Materials

Xun Shi and Lidong Chen
Shanghai Inst. of Ceramics, China

Tu-H2-2

14:00 - 14:30

[Invited] Chemical Manipulation of Phase Stability and Electronic Behavior in Cu_{4-x}Ag_xSe₂

Ferdinand Poudeu, Alan Olvera, Trevor P. Bailey, and Ctirad Uher
Univ. of Michigan, USA

Tu-H2-3

14:30 - 15:00

[Invited] High-Performance Nanostructured Metal Chalcogenide Thermoelectric Materials for Energy Conversion

Zhigang Chen
Univ. of Southern Queensland, Australia

Tu-H2-4

15:00 - 15:15

Crystallization of Screen-Printed Thermoelectric Materials using Functional Paste with Excessive Tellurium

Hyeongdo Choi¹, Yong Jun Kim¹, Choong Sun Kim¹, Gysoup Lee¹, Sung Ho Kim¹, Hye Rim Hwang², and Byung Jin Cho¹
¹KAIST, Korea, ²Flexible Thermoelectric Device Tech. Center, Korea

Tu-H2-5

15:15 - 15:30

Effects of Sintering Conditions on the Thermoelectric Properties of N-Type Half-Heusler (Hf_{0.5}Zr_{0.5})_{0.7}Ti_{0.3}NiSn_{0.998}Sb_{0.002}

Van Du Nguyen^{1,2}, Jamil Ur Rahman^{1,2}, Weon Ho Shin¹, Won Seon Seo¹, Myong Ho Kim², and Soonil Lee²
¹KICET, Korea, ²Changwon Nat'l Univ., Korea