



IUMRS-ICEM 2018

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

Session Title	Topological Insulators : Materials, electronic structure, and transport properties II	Session Code	Fr-B2
Date and Time	2018-08-24 / 10:45 - 12:45		
Place	Room B		
Session Chair	TBA		

Fr-B2-1

10:45 - 11:15

[Invited]Fermi-Level Dependent Ultrafast Terahertz Dynamics in the Topological Insulator Bi_2Se_3

Hyunyoung Choi¹, Seungmin Lee¹, Sangwan Sim², Jisoo Moon³, Soonyoung Cha¹, Hoseung Shin¹, Suhyun Park¹, Woonsun Jang¹, Myungwoo Son⁴, Hyunseung Jung⁵, Seung Young Seo⁶, Aloysius Soon¹, Moon-Ho Ham⁴, Hojin Lee⁵, Moon-Ho Jo⁶, and Seongshik Oh³

¹Yonsei Univ., Korea, ²Los Alamos Nat'l Lab, USA, ³The State Univ. of New Jersey, USA, ⁴GIST, Korea, ⁵Soongsil Univ., Korea, ⁶POSTECH, Korea

Fr-B2-2

11:15 - 11:30

Non-Zero Berry Phase and Anomaly in Hall Resistivity on GdB_4 : A New Type of a Magnetic Semimetal with Nontrivial Topology

Wonhyuk Shon¹, Dong-Chun Rhyu², Kyoo Kim², Heon-Jung Kim³, Jong-Soo Rhyee¹, Byungil Min², Boyoun Kang⁴, and Beongki Cho⁴

¹Kyunghee Univ., Korea, ²POSTECH, Korea, ³Daegu Univ., Korea, ⁴GIST, Korea

Fr-B2-3

11:30 - 11:45

Transverse Thermoelectric Properties and Fermi Surface Investigation on $\text{Bi}_{0.97}\text{Sb}_{0.03}$ Single Crystal

Gareoung Kim¹, Jae-Hyun Yun¹, Heon-jung Kim², Won Hyuk Shon¹, and Jong-oo Rhyee¹

¹Kyung Hee Univ., Korea, ²Daegu Univ., Korea