



Research and Education Center
for Advanced Energy
Materials, Devices, and Systems
Kyushu University



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1st International Workshop on Materials and Applications for Next-generation Utilization of Thermoelectric Energy Conversion (MANUTEC-1)

March 7th (Wed.), 2018

Main Conference Room, Administration Building 3F, Chikushi campus, Kyushu University,
Kasuga, Fukuoka, Japan

Organized by

Research and Education Center for Advanced Energy Materials, Devices, and Systems
(AEMDS), Kyushu University

Time Table

- 13:30-13:45 Opening Address
Prof. Michitaka OHTAKI (Director, AEMDS / Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Japan)
- 13:45 - 14:15 "Cu-S based Synthetic Minerals as Efficient Thermoelectric Materials"
Prof. Koichiro SUEKUNI (Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Japan)
- 14:15 - 14:45 "Design of Copper-rich Sulfides by Mimicking Natural Minerals"
Dr. Emmanuel GUILMEAU (Directeur de Recherche CNRS, Laboratoire CRISMAT, France)
- 14:45 - 15:15 "Complex Structure and Induced Structural Disorder: An Interesting Way for Promoting Low Thermal Conductivity in Sulphide Compounds"
Dr. Cédric BOURGÈS (CRISMAT, France / Graduate School of Engineering, Tohoku University, Japan)
- 15:15- 15:30 *Break*
- 15:30 - 16:00 "Defect Chemistry and Microstructure Engineering of n-type $Mg_3(Sb,Bi)_2$ "
Dr. Tsutomu KANNO (Panasonic Corporation, Japan)
- 16:00 - 16:30 "Enhancing Thermoelectric Properties by Utilizing Magnetism"
Dr. Takao MORI (MANA, National Institute of Materials Science, Japan)
- 16:30 - 17:00 "Flexible Thermoelectric Devices for Energy Harvesting"
Prof. Kunihito KOUMOTO (Toyota Riken, Japan / AEMDS, Kyushu Univ., Japan / Kyung Hee Univ., Korea / King Abdulaziz Univ., Saudi Arabia)
- 17:00 - 17:10 Closing Remarks

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