

MRM2019（横浜） 熱電シンポジウム（F-3）のお知らせ

国際交流委員会委員長

森 孝雄

概要

国際会議：MRM2019

熱電シンポジウム：F-3 Advancements in Thermoelectric Materials and Applications

日時：2019年12月10日（火）から14日（土）

開催地：横浜シンポジア

ホームページ：<https://mrm2019.jmru.org/>

アブストラクト締切：2019年5月10日（金）

Topics

- Recent advancements in classical and novel materials
- Theoretical understanding of the thermoelectric phenomena
- Discovery and implementation of enhancement principles which challenge the conventional tradeoff between the Seebeck effect and electrical conductivity and the paradoxical requirement of conducting electricity but not heat
- Processing of materials (bulk, thin film, heterostructures, nanostructures, and nanocomposites)
- Development of measurement technologies for thermal conductivity, Seebeck effect, power generation
- Advances in applicative technology and device design, and applications, ranging from energy harvesting for IoT to mid-high and high temperatures, and refrigeration

Cluster Keynotes (ENERGY)

- Mercouri G. Kanatzidis, Northwestern University など

Organizers

- Takao Mori, National Institute for Materials Science (NIMS), Representative
- Michihiro Ohta, National Institute of Advanced Industrial Science and Technology (AIST), Correspondence
- Lidong Chen, Shanghai Institute of Ceramics, Chinese Academy of Sciences
- Franck Gascoin, CRISMAT
- Yuri Grin, Max Planck Institute for Chemical Physics of Solids
- Yuzuru Miyazaki, Tohoku University
- Michitaka Ohtaki, Kyushu University
- Jong-Soo Rhyee, Kyung Hee University
- Jeff Snyder, Northwestern University
- Tsunehiro Takeuchi, Toyota Technological Institute
- Takahiro Yamamoto, Tokyo University of Science