

Symposium A-5. Thermoelectric materials for sustainable development – ACT2017 (AAT)

Kyoto University, Japan Aug. 27 (Sun) - Sep. 1 (Fri), 2017

<http://www.iumrs-icam2017.org>

IMPORTANT DATES

Abstract Submission Due
Feb. 28, 2017
Notification of acceptance
Mar. 20, 2017
Early bird registration due
Jun. 20, 2017
Online registration closes
Aug. 14, 2017

ORGANIZING COMMITTEE

Representative: P. Mele (Muroran IT, Jp.), D. Narducci (U. Milano Bicocca, It.)
Correspondence: M. Ohta (AIST, Jp.), K. Biswas (JNCASR Bangalore, India)
Organizers: T. Mori (NIMS, Jp.), M. Ohtaki (Kyushu U., Jp.), K. Miyazaki (Kyushu IT, Jp.), T. Takeuchi (Toyota IT, Jp.), R. Funahashi (AIST, Jp.), H. Nishikawa (Kindai U., Jp.), T. Endo (Mie U., Jp.), F. Gascoin (CRISMAT-ENSI Caen, Fr.), L. Chen (Shanghai I. Ceram., CAS, Chn.), W. S. Seo (Korea Inst. Ceram. Eng. Tech., Kr.), N. Van Nong (T. U. Dk.), J. R. Morante (IREC, Barcelona, Sp.)

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CALL FOR PAPERS

SCOPE: Thermoelectric materials are able to directly convert thermal energy wasted in plants, car engines, etc. into electrical energy. This feature is considered as highly promising to reduce mankind's dependence on nuclear power and fossil fuels, and eliminate greenhouse gas emissions. However, the path for practical applications of thermoelectrics appears still long. This symposium aims to bridge the gap between materials science and applications of thermoelectric materials.

This symposium will be partially supported by AAT (Asian Association of Thermoelectrics) in promotion of cooperation between thermoelectric researchers in Asia. The 2017 edition of ACT (Asian Conference on Thermoelectrics) is held in conjunction with this symposium.

The symposium will be endorsed by THO (Team Harmonized Oxides, Japan) and AIT (Italian Thermoelectric Society).

A one-day intensive school on material science and engineering of thermoelectrics will be organized by AAT as a pre-conference event of IUMRS-ICAM 2017 in Kyoto

TOPICS OF INTEREST:

1. New thermoelectric compounds
2. Correlation between material structure and thermoelectric properties
3. Bulk thermoelectric ceramics, oxides and chalcogenides
4. Bulk thermoelectric alloys and intermetallics
5. Organic and polymeric thermoelectrics
6. Thermoelectric thin films, multilayers and nanocomposites
7. Theory and modelling
8. Thermal transport and thermal conductivity
9. Applications and devices based on thermoelectric materials
10. Standardization and metrology

INVITED SPEAKERS (TENTATIVE):

S. Aminorroaya-Yamini (U. Wollongong, Aus.), H. Anno (Tokyo U. Sci, Jp), D. Berthebaud (CRISMAT, Fr.), K. Biswas (JNCASR Bangalore, Ind), A. Cabot (IREC, Spa), In Chung (Seoul Nat. U., Kr.), P. Eklund (Linkoping U., Swe), R. Funahashi (AIST, Jp.), E. Guilmeau (CRISMAT, Fr.), Y. Grin (Director MPI-CPfS, Ger.), H.-U. Habermeier (Max-Planck Inst. Solid St. Res., Ger.), J. He (S U Sci. Tech., Chn.), P. Jood (AIST, Jp.), M. Karrpinen (Aalto U., Fi.), K. Koumoto (Toyota PCRI), K. Kovnir (UC Davis, USA), S. Lee (Korea Inst. Ceram. Eng. Tech., Kr.), K. H. Lee (Kangwon U., Kor.), Q. Li (BNL, USA), W. Liu (Wuhan U.T., Chn), G. Min (Cardiff U., UK), N. Neophytou (U. of Warwick, UK), N. Van Nong (TU Denmark), M.-W. Oh (Hanbat Nat. U., Kr.), H. Ohta (Hokkaido U., Jp.), P. F. P. Poudeu (U. of Michigan, USA), X. Shi (Shanghai Inst. Ceram, Chn.), G. J. Snyder (Northwestern U.), K. Suekuni (Kyushu U., Jp.), I. Terasaki (Nagoya U., Jp.), U. V. Waghmare (JNCASR- Bangalore, Ind.), C. Wan (Tsinghua U., Chn.), J. Yang (U. of Washington, USA), L. Zhao (Beihang U., Chn.), T. Zhu (Zhejiang U., Chn.), and more!