MRM 2019 Satellite Symposium
International Symposium on Thermoelectric Energy Harvesting

How to bring about thermoelectric evolutions in our smart societies?

Date
December 9 (Mon), 2019 10:00 - 18:00
Reception Desk Opens at 9:30

Place
Yokohama Symposia (9th Floor of Sangyo Boeki Center Building)
2 Yamashita-cho, Naka-ku, Yokohama 231-0023, JAPAN

Scope
Thermoelectric Energy Harvesting has been attracting a lot of attention as the technology booster to improve the resilience of our society. We hope that this symposium will offer a great opportunity to get the prospect in the field of Thermoelectric Energy Harvesting. There are many difficult challenges to improve key control characteristics of thermoelectric materials for practical applications. Let's discuss how to bring about thermoelectric evolutions in our smart societies.

Program

<table>
<thead>
<tr>
<th>START</th>
<th>END</th>
<th>Time</th>
<th>Invited Speaker &amp; Title</th>
</tr>
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<tbody>
<tr>
<td>9:30</td>
<td>10:00</td>
<td>0.30</td>
<td>Registration</td>
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<tr>
<td>10:00</td>
<td>10:15</td>
<td>0.15</td>
<td>Welcome address, Hiroyuki Akinaga (Japan Science and Technology Agency and AIST)</td>
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<tr>
<td>10:15</td>
<td>10:55</td>
<td>0.40</td>
<td>Slavko Bernik, Jozef Stefan Institute, Slovenia An external look on the current state of thermoelectric technologies and applications with future prospects</td>
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<tr>
<td>10:55</td>
<td>11:35</td>
<td>0.40</td>
<td>Tsutomu Kanno, Panasonic Corporation, Japan Thermoelectric power generation using material anisotropy and isotropy</td>
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<tr>
<td>11:35</td>
<td>12:00</td>
<td>0.25</td>
<td>Kaoru Toko, University of Tsukuba, Japan Potential of IV group semiconductors for flexible thermoelectric devices</td>
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<tr>
<td>12:00</td>
<td>13:35</td>
<td>1.35</td>
<td>Lunch break</td>
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<tr>
<td>13:35</td>
<td>14:15</td>
<td>0.40</td>
<td>Holger Kleinke, Waterloo University, Canada Thermoelectric copper chalcogenides with ion mobility: opportunities and challenges</td>
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<tr>
<td>14:15</td>
<td>14:40</td>
<td>0.25</td>
<td>Atsuko Kosuga, Osaka Prefecture University, Japan Effect of non-equilibrium processing on the structure and thermoelectric properties of Ge-Sb-Te bulk materials</td>
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<td>14:40</td>
<td>15:05</td>
<td>0.25</td>
<td>Michihisa Murata, Osaka Institute of Technology, Japan Solution-Processed n-Type Thermoelectric Films of π-Conjugated Nickel Complexes</td>
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<td>15:05</td>
<td>15:20</td>
<td>0.15</td>
<td>Break</td>
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<tr>
<td>15:20</td>
<td>16:00</td>
<td>0.40</td>
<td>Ernst Bauer, Technical University of Vienna, Austria High performance bulk and thin film full Heusler alloys</td>
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<td>16:00</td>
<td>16:25</td>
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<td>Yuya Sakuraba, NIMS, Japan Anomalous Nernst effect in Co-based Heusler alloys</td>
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<td>16:25</td>
<td>16:40</td>
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<td>Break</td>
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<tr>
<td>16:40</td>
<td>17:20</td>
<td>0.40</td>
<td>Zhifeng Ren, University of Houston, USA Achieving Extremely Low and High Thermal Conductivity by Understanding and Controlling Phonons</td>
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<td>17:20</td>
<td>17:45</td>
<td>0.25</td>
<td>Takayoshi Katase, Tokyo Institute of Technology, Japan Unusually large power-factor enhancement by breaking thermoelectric trade-off relation in transition metal oxide</td>
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<tr>
<td>17:45</td>
<td>18:00</td>
<td>0.15</td>
<td>Concluding remarks, Takao Mori (National Institute for Materials Science, NIMS)</td>
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</tbody>
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Inquiries
Japan Science and Technology Agency (JST)
Department of Strategic Basic Research
E-mail : eh-contact-mail@jst.go.jp

I agree to privacy policy

go to registration form
Data Protection Agreement Regarding the “MRM 2019 Satellite Symposium
International Symposium on Thermoelectric Energy Harvesting”

I (the submitter of personal data, hereafter referred to as the data subject), will attend this symposium having understood and agreed with the following statement with regards to handling of his/her personal data, which are the following: name, surname, affiliation, email address, main topic of scientific expertise and pictures taken during the symposium.

Under applicable regulations, where personal data relating to a data subject are collected from the data subject, the controller shall, at the time when personal data are obtained, provide the data subject with all of the following information:

1. The identity and the contact details of the controller;

   Japan Science and Technology Agency (JST)
   Department of Strategic Basic Research
   K’s Gobancho,
   7, Gobancho, Chiyoda-ku, Tokyo, 102-0076 Japan
   Phone: +81-3-3512-3531
   Email: crest@jst.go.jp

2. The purposes of the processing for which the personal data are collected and processed as well as the legal basis for the processing are the following; Participants’ personal data are collected and processed for the purposes of:
   (a) Determining the number of participants prior to the event, or confirmation of participant’s identity for security provisions;
   (b) The verification of attendee registration information;
   (c) Contacting participants and developing a network for future collaboration, or for the organization of future symposiums;
   (d) Promoting the symposium on various media of JST (applied only to pictures).

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   (a) the right to obtain from the controller confirmation as to whether or not personal data
       concerning the data subject are being processed, and, where that is the case, access to
       the personal data and the following information:
       i. the purposes of the processing;
       ii. the categories of personal data concerned;
       iii. the recipients or categories of recipient to whom the personal data have been or
            will be disclosed and;
       iv. the period for which the personal data will be stored, or if that is not possible, the
           criteria used to determine that period.
   (b) the right to request rectification or, where the certain conditions apply, erasure of
       personal data;
   (c) where certain conditions apply, the right to request restriction of processing
       concerning the data subject or to object to processing;
   (d) the right to lodge a complaint with a supervisory authority and;
   (e) the right to withdraw consent at any time.

   Personal data collected from data subjects are stored by the data controller for the
   duration of the symposium and beyond, for a duration of 3 years.

   In case the data subject wishes to exercise the rights abovementioned, he/ she should
   contact the controller using the following contact information:

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   Department of Strategic Basic Research
   K’s Gobancho,
   7, Gobancho, Chiyoda-ku, Tokyo, 102-0076 Japan
   Phone: +81-3-3512-3531
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   entry to the symposium on the basis of security provisions in case the attendee’s identity
   cannot be established in advance in line with general management requirements of the
   event.
5. The existence of automated decision-making, including profiling, and in those cases, meaningful information about the logic involved, as well as the significance and the envisaged consequences of such processing for the data subject. In this regard, no such use of participants' personal data is carried out or contemplated by the controller.

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