

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

<http://www.welcome.city.yokohama.jp/eng/convention/venues/symposia.html>

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

START	END	Time	Invited Speaker & Title		
9:30	10:00	0:30	Registration		
10:00	10:15	0:15	Welcome address, Hiroyuki Akinaga (Japan Science and Technology Agency and AIST)		
10:15	10:55	0:40	Slavko Bernik	Jozef Stefan Institute, Slovenia	An external look on the current state of thermoelectric technologies and applications with future prospects
10:55	11:35	0:40	Tsutomu Kanno	Panasonic Corporation, Japan	Thermoelectric power generation using material anisotropy and isotropy
11:35	12:00	0:25	Kaoru Toko	University of Tsukuba, Japan	Potential of IV group semiconductors for flexible thermoelectric devices
12:00	13:35	1:35	Lunch break		
13:35	14:15	0:40	Holger Kleinke	Waterloo University, Canada	Thermoelectric copper chalcogenides with ion mobility: opportunities and challenges
14:15	14:40	0:25	Atsuko Kosuga	Osaka Prefecture University, Japan	Effect of non-equilibrium processing on the structure and thermoelectric properties of Ge-Sb-Te bulk materials
14:40	15:05	0:25	Michihisa Murata	Osaka Institute of Technology, Japan	Solution-Processed n-Type Thermoelectric Films of π -Conjugated Nickel Complexes
15:05	15:20	0:15	Break		
15:20	16:00	0:40	Ernst Bauer	Technical University of Vienna, Austria	High performance bulk and thin film full Heusler alloys
16:00	16:25	0:25	Yuya Sakuraba	NIMS, Japan	Anomalous Nernst effect in Co-based Heusler alloys
16:25	16:40	0:15	Break		
16:40	17:20	0:40	Zhifeng Ren	University of Houston, USA	Achieving Extremely Low and High Thermal Conductivity by Understanding and Controlling Phonons
17:20	17:45	0:25	Takayoshi Katase	Tokyo Institute of Technology, Japan	Unusually large power-factor enhancement by breaking thermoelectric trade-off relation in transition metal oxide
17:45	18:00	0:15	Concluding remarks, Takao Mori (National Institute for Materials Science, NIMS)		

Organizer

Department of Strategic Basic Research, Japan Science and Technology Agency (JST)

Registration

Registration fee: Free

Before you register, please read and agree with the privacy policy.(For the residents in the member counties of European Union. Go to [GDPR](#))

Regarding the handling of personal information, we comply with the JST privacy policy (<https://www.jst.go.jp/EN/privacy.html>)

In regard to the personal information provided in the registration form, it will only be used for the purposes stated below.

- (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;

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;

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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).

The legal basis of the processing of participants personal data for purposes and above mentioned is the management of your participation to the symposium, and therefore the performance of the contract between participants and JST.

For the purpose of contacting participants after the symposium and promoting the symposium on various media, the processing is based on the participants' consent.

As a participant, I understand that I provide JST with my consent for such processing of my personal data and transfer to Japan by accepting the terms of the present agreement.

3. The data subject has all of the following rights;
 - (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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4. Whether the provision of personal data is a statutory or contractual requirement, or a requirement necessary to enter into a contract, and of the possible consequences of failure to provide such data: failure to provide personal data may lead to the refusal of 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.

6. The provision of personal data to entities outside Japan or JST Headquarters; The controller, with the exception of the following case, will not provide submitted personal data to countries outside of Japan or other third parties; commission to third-parties, as service providers, within the purpose stated above;