

# IZES

10-12 January, 2023

International Symposium on Zero-Carbon Energy Systems

Laboratory for Zero-Carbon Energy (ZC)  
Tokyo Institute of Technology



## Fourth ANNOUNCEMENT

### International Symposium on Zero-Carbon Energy Systems, IZES

**Date:**

10-12 January, 2023

**Venue:**

Ookayama Campus, Tokyo Institute of Technology  
(Tokyo Tech)

2-12-1, Ookayama, Meguro-ku, Tokyo 152-8550,  
Japan

URL: <http://www.titech.ac.jp/>

IZES URL: <https://www.izes1.org/>

**Organizers:**

Organizing Committee of IZES, Laboratory for Zero-Carbon Energy (ZC), Tokyo Tech

**Supporters:**

- [MIT Center for Advanced Nuclear Energy Systems \(MIT-CANES\)](#)
- [Japan Atomic Energy Agency \(JAEA\)](#)
- [Japan Association of Solvent Extraction \(JASE\)](#)
- [The Chemical Society of Japan \(CSJ\)](#)
- [The Electrochemical Society of Japan \(ECSJ\)](#)
- [Japan Society of Nuclear and Radiochemical Sciences \(JNRS\)](#)
- [The Japan Society for Analytical Chemistry \(JSAC\)](#)
- [Atomic Energy Society of Japan \(AESJ\)](#)
- [The Japan Society of Plasma Science and Nuclear Fusion Research \(JSPF\)](#)

**Scope:**

International Symposium on Zero-Carbon Energy Systems, IZES, aims at discussing the latest research activities relevant to the development of innovative Zero-Carbon energy systems, which shall be the technologies to supply energy for carbon neutral society, including renewable energy technologies and innovative nuclear energy technologies within a broad perspective. The goal is to visualize and share together new stage of the Zero-Carbon energy system technologies for carbon neutral society.

**Conference Committees:****General Chair:**

Kenji Takeshita (Director, ZC, Tokyo Tech)

**Chair:**

Toru Obara (ZC, Tokyo Tech)

**Vice Chair:**

Yukitaka Kato (ZC, Tokyo Tech)

Takehiko Tsukahara (ZC, Tokyo Tech)

**Organizing Committee Members:**

Masayoshi Uno, Fukui Univ. / Tatsuya Suzuki, Nagaoka Univ. Tech / Isamu Sato, Tokyo City Univ. / Noriko Asanuma, Tokai Univ. / Yukio Tachibana, JAEA / Hirokazu Ohta, CRIEPI / Kazuhito Asano, Toshiba / Ryusuke Kimura, Hitachi GE / Yuzuki Kanzaki, MHI / Kiyoteru Suzuki, MRI / Kenji Takeshita, Toru Obara, Yukitaka Kato, Takehiko Tsukahara, Tokyo Tech

### Steering Committee:

Toru Obara, Yukitaka Kato, Takehiko Tsukahara, Hiroshi Sagara, Takuya Harada, Noriyosu Hayashizaki, Yoshihisa Matsumoto, Tokyo Tech

### Technical Program Committee:

Hiroshi Sagara, Tokyo Tech (Chair)  
Takuya Harada, Tokyo Tech (Vice Chair)

### Editorial Board for Special Issue:

Noriyosu Hayashizaki, Tokyo Tech (Editor-in-Chief)  
Yoshihisa Matsumoto, Tokyo Tech (Deputy Editor)

### International Scientific Committee Members:

Takafumi Anegawa, TEPCO, Japan / Panagiota Angeli, UCL, UK / Vadimir Artisiuk, ROSATOM, Russia / Jacopo Buongiorno, MIT, USA / Sunil S. Chirayath, Texas A&M, USA / Suren Davaa, NUM, Mongolia / Eric S Fraga, UCL, UK / Stephan Gossé, CEA, France / Il Soon Hwang, UNIST, Korea / Yonghee Kim, KAIST, Korea / Georg Müller, KIT, Germany / Xiao Su, U. Illinois-UC, USA / Zaki Su'ud, ITB, Indonesia / Georgy Tikhomirov, MEPHI, Russia / Jasmina Vujic, UC Berkeley, USA / Jie Wu, NUS, Singapore / Yican Wu, CAS, China

### Topics:

1. Renewable energy technologies
2. Innovative nuclear energy technologies
3. Carbon neutral technologies
4. Energy storage and transformation technologies
5. Material recycling technologies for energy systems
6. Innovative nuclear applications

### Call for Paper:

Participants who wish to present in the conference are invited to submit a one-page abstract in English. At least one author is required to register for the symposium and present his or her paper. Please refer the symposium web-page, <https://www.izes1.org/> for the submission of it. Abstract should be submitted by **31 August, 2022** via [the web-page](#). The oral presenters will be selected from the abstracts. Poster presentation will be offered to other abstract submitters. All abstracts of oral and poster presentations will be published in a media. One of the authors of each presentation is required the registration of the symposium. Strict peer review of submitted papers will be carried out, and selected high-quality papers will be published in a special issue of Energy Reports, Elsevier.

### Registration:

Online registration has resumed from **9 September, 2021**. The registration fee includes full participation to all of academic presentations, a copy of abstracts and IZES special issue of the Journals, and coffee break. The online registration accepts only credit card payment. The onsite registration is only payable by cash, please.

**Table Registration fees for IZES**

	Early-bird rate (Paid on or before <b>15 November, 2022</b> )	Standard rate (Paid on or before <b>9 January, 2023</b> )	Onsite rate (Paid after <b>10 January, 2023</b> )
Regular	60,000 JPY	70,000 JPY	80,000 JPY
Student Presenter	25,000 JPY	30,000 JPY	35,000 JPY
Student Observer*	Free		10,000 JPY
Reception party on <b>11 January, 2023</b>			12,000 JPY

\*) without presentation, without proceedings

**Cancellation policy:** The cancellations must be received on or before **15 November, 2022**.

In this case, registration fees will be refunded after deducting the cancellation fee (10,000 JPY). No refunds will be made for any cancellation after that date.

### Important dates:

- Abstract submission deadline 31 August, 2022
- Notification abstracts acceptance 30 September, 2022
- Early registration deadline 15 November, 2022
- Submission of full papers for proceedings 31 December, 2022
- Symposium 10-12 January, 2023

### Contact:

Secretariat of IZES  
Laboratory for Zero-Carbon Energy,  
Institute of Innovative Research,  
Tokyo Institute of Technology  
N1-19, 2-12-1, Ookayama, Meguro-ku, Tokyo  
152-8550, Japan  
Phone: +81 3 5734 2380  
Fax: +81 3 5734 2959  
E-mail: [izes@zc.iir.titech.ac.jp](mailto:izes@zc.iir.titech.ac.jp)

(Ver. 7 January 2022)