

# IZES

10-12 January, 2023

International Symposium on Zero-Carbon Energy Systems

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



# Final ANNOUNCEMENT

## International Symposium on Zero-Carbon Energy Systems (IZES)

### Date:

10-12 January 2023

### Venue:

**The symposium will take place in person at the venue below.**

Ookayama Campus, Tokyo Institute of Technology (Tokyo Tech)  
2-12-1, Ookayama, Meguro-ku, Tokyo 152-8550, Japan

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

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

### Organizers:

- Organizing Committee of IZES  
Laboratory for Zero-Carbon Energy (ZC), Institute of Innovative Research (IIR), Tokyo Tech
- Green Transformation Initiative at Tokyo Tech (Tokyo Tech GXI)

### Supporters:

- [Tokyo Tech Academy of Energy and Informatics \(InfoSyEnergy\)](#)
- [Tokyo Tech Academy for Convergence of Materials and Informatics \(TAC-MI\)](#)
- [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 a carbon-neutral society, including renewable energy technologies and innovative nuclear energy technologies within a broad perspective. The goal is to visualize and share a new stage of the Zero-Carbon energy system technologies for a carbon-neutral society.

### Conference Committees:

#### General Chair:

Yukitaka Kato (Director) ZC, Tokyo Tech

#### Chair:

Toru Obara, ZC, Tokyo Tech

#### Vice Chair:

Yoshinao Kobayash, 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. / Takahiro Akao, NIT, Fukushima College / Yukio Tachibana, JAEA / Hirokazu Ohta, CRIEPI / Kazuhito Asano, Toshiba / Ryusuke Kimura, Hitachi GE / Yuruki Kanzaki, MHI / Kiyoteru Suzuki, MRI / Kenji Takeshita, Toru Obara, Yukitaka Kato, Yoshinao Kobayash, Takehiko Tsukahara, Tokyo Tech

## Steering Committee Members:

Toru Obara, Yukitaka Kato, Yoshinao Kobayash, Takehiko Tsukahara, Hiroshi Sagara, Takuya Harada, Hiroshige Kikura, Masatoshi Kondo, Noriyosu Hayashizaki, Yoshihisa Matsumoto, Koichiro Takao, Tokyo Tech

## Technical Program Committee Members:

Hiroshi Sagara (Chair), Takuya Harada (Vice Chair), Hiroshige Kikura, Masatoshi Kondo, Tokyo Tech

## Editorial Board for Special Issue:

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

## International Scientific Committee Members:

Takafumi Anegawa, TEPCO, Japan / Panagiota Angeli, UCL, UK / Vladimir Artisyuk, 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, MEPHl, 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 at 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 to the symposium web page, <https://www.izes1.org/> for submission. The abstract should be submitted by **31 August 2022** via the [web page](#). The oral presenters will be selected from the abstracts. A poster presentation will be offered to other abstract submitters. Some excellent posters will be awarded. Each presenter is restricted to **ONLY ONE** presentation. Unless presented on the spot, the paper will not be accepted. All abstracts of oral and poster presentations will be published in the media. 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** (Impact Factor: 6.87), **Elsevier**.

## Registration:

Online registration has resumed on **9 September 2021**. The registration fee includes full participation in all of the academic presentations, an electric copy of abstracts, and an IZES special issue of the Journals. Online registration accepts only credit card payments. The onsite registration is only payable by cash, please.

**Table Registration fees for IZES**

	Early-bird rate (Paid on or before 15 Nov 2022)	Standard rate (Paid on or before 9 Jan 2023)	Onsite rate (Paid after 10 Jan 2023)
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 11 January 2023			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.

## VISA:

It is the participant's responsibility to investigate the visa requirements for Japan and apply for a visa, if necessary. Please check the following links of the Ministry of Foreign Affairs of Japan (MOFA) to know if you need to obtain a visa and the visa application procedures at the time of the coronavirus. For more information, please refer to the following site. <https://www.izes1.org/visa/>

## 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

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