

## Second Announcement

### International Symposium on Green Transformation Initiative and Innovative Zero-Carbon Energy Systems, GXI-ZES

**Theme:** International Symposium on Green Transformation Initiative and Innovative Zero-Carbon Energy Systems, GXI-ZES

**Date:** 14-16<sup>th</sup> January, 2025

**Venue:**

Ookayama Campus, Tokyo Institute of Technology (Tokyo Tech)

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

**Organizers:**

Organizing committee of GXI-ZES

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

**Supporters:**

- MIT Center for Advanced Nuclear Energy Systems (MIT-CANES)
- Deutsches Zentrum für Luft- und Raumfahrt (DLR)
- Atomic Energy Society of Japan (AESJ)
- Institute of Nuclear Materials Management Japan Chapter (INMMJ)
- Japanese Society of Radiation Chemistry (JSRC)
- Japan Fine Ceramics Association (JFCA)
- Japan Society of Energy and Resources (JSER)
- The Chemical Society of Japan (CSJ)
- The Heat Transfer Society of Japan (HTSJ)
- The Iron and Steel Institute of Japan (ISIJ)
- The Japan Society for Analytical Chemistry (JSAC)
- The Japan Society of Plasma Science and Nuclear Fusion Research (JSPF)
- The Society of Chemical Engineers, Japan (SCEJ)
- The Electrochemical Society of Japan (ECSJ)
- Tokyo Tech Academy for Convergence of Materials

and Informatics (TAC-MI)

- Tokyo Tech InfoSyEnergy Research and Education Consortium / School of Academy of Energy and Informatics (ISE)

**Conference Committees:**

**General Chair:**

Yukitaka Kato (Director) ZC, Tokyo Tech

**Chair:**

Hiroshi Sagara, ZC, Tokyo Tech

**Vice Chair:**

Shintaro Yasui, ZC, Tokyo Tech

**Organizing Committee Members:**

Jacopo Buongiorno (MIT), Andre Thess (DLR), Keigo Akimoto (RITE), Hiroshi Asano (CRIEPI), Tsuyoshi Fujita (Tokyo Univ.), Takao Nakagaki (Waseda Univ.), Ryoji Kanno, Kenji Takeshita, Yukitaka Kato, Hiroshi Sagara, Shintaro Yasui (Tokyo Tech),

**Steering Committee Members:**

Yukitaka Kato, Hiroshi Sagara, Shintaro Yasui, Yoshinao Kobayashi, Yoichi Murakami, Takehiko Tsukahara, Hiroki Takasu, Hajime Arai, Mika Goto, Michikazu Hara, Yoshihiro Mizutani, Atsushi Morihara, Junko Morikawa, Tadashi Narabayashi, Takuya Oda, Yasuo Ogawa, Junichiro Otomo, Kan Tanaka, Masaharu Tsujimoto, Akira Yamada, Takeo Yamaguchi, Ichiro Yamanaka (Tokyo Tech)

**Technical Program Committee Members:**

Takehiko Tsukahara (Chair), Katsumi Yoshida, Takuya Harada, Tatsuya Katabuchi, Jun Hasegawa, Mikio Shimada, Chikako Ishizuka, Naokazu Idota, Shota Ikeda, Shigehiko Funayama, Riku Enomoto,

**Scope:** International Symposium on Green Transformation Initiative and Innovative Zero-Carbon

Energy Systems, GXI-ZES, aims at discussing the latest research activities relevant to the development of green transformation technology and innovative zero-carbon energy systems, which shall be the technologies to supply energy for a carbon-neutral society, including zero-carbon energy, energy carrier, climate change mitigation, carbon neutral and innovative nuclear energy technologies within a broad perspective. The goal is to visualize and share a new stage of the green transformation technologies and zero-carbon energy system technologies for a carbon-neutral society. The symposium is planning the special collaboration sessions organized with MIT, EPRI and DLR.

**Topics:**

1. Green Transformation and Zero-Carbon Energy System Technologies
2. Innovative nuclear energy technologies
3. Energy storage and transformation technologies
4. Energy carriers
5. Material recycling technologies for energy systems
6. Innovative nuclear applications
7. Energy Policy and Economics

**Call for Paper:** Participants who wish to present at the conference are invited to submit an 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.gxi-zes.org/>

. The short abstract (within 200 words) should be submitted by ~~11<sup>th</sup> Sep.~~ **15<sup>th</sup> Oct. (Extended)** 2024 via the [web page](#). The extended abstract (maximum 2 pages using the abstract template) should be submitted by 15<sup>th</sup> Nov. 2024 via the web page. The oral presenters will be selected from the short 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.

**Registration:** Online registration will start from middle Oct. 2024. The registration fee includes full participation in all of the academic presentations and an electric copy of extended abstracts. Online registration accepts only credit card payment.

**Table Registration fees for GXI-ZES**

	Early-bird rate (Paid on or before 30 <sup>th</sup> Nov. 2024)	Standard rate (Paid on or before 13 <sup>th</sup> Jan. 2025)
Regular	35,000 JPY	50,000 JPY
GXI member	20,000 JPY	25,000 JPY
Student Presenter	15,000 JPY	20,000 JPY
Reception Party	12,000JPY	12,000JPY

**Cancellation policy:** *The cancellations must be received on or before Nov.30 2024. In this case, registration fees will be refunded after deducting the cancellation fee. 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. URL:

[https://www.mofa.go.jp/j\\_info/visit/visa/index.html](https://www.mofa.go.jp/j_info/visit/visa/index.html)

(MOFA)

<https://www.gxi-zes.org/visa/> TBA (GXI-ZES)

**Important Dates:**

- Short abstract submission deadline (Extended) ~~11<sup>th</sup> Sep. 2024.~~ **15<sup>th</sup> Oct. 2024**
- Notification abstracts acceptance 15<sup>th</sup> Oct. 2024.
- Extended abstract submission deadline 15<sup>th</sup> Nov. 2024.
- Early registration deadline 30<sup>th</sup> Nov. 2024.
- Symposium 14-16<sup>th</sup> Jan. 2025.

**Contact:**

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(Ver. 25<sup>th</sup> Sep. 2024)