

GX Global Workshop

GX for Sustainable Carbon Neutral Societies



To explore the development and societal implementation of green transformation (GX) technologies for realizing a sustainable carbon-neutral society and fostering collaborative R&D, the Science Tokyo GXI and GX Frontier Visionary Initiative (GX-VI) organizes the Global Workshop for the GX key areas of decarbonization, energy systems, energy carriers, alternative fuels, and energy storage joining with MITEI (Massachusetts Institute of Technology Energy Initiative), EPRI (Electric Power Research Institute), and DLR (German Aerospace Center).

Date

Wednesday, Jan. 21, 2026 9:00~16:45 Registration 8:30~
(Networking Party 17:00~18:30)

IN PERSON ONLY

Simultaneous Interpretation is available

Venue

Multi-Purpose Digital Hall, West 9th Bld., Ookayama Campus, Institute of Science Tokyo (Science Tokyo)

<https://www.isct.ac.jp/en/001/access>

<https://www.ssc.titech.ac.jp/amap/home/ookayama/west/bldg9/>

Networking Party (17:00-18:30, Fee: 5,000 yen) :

Tsubame Terrace, 2F, West 5th Bld., Ookayama Campus, Institute of Science Tokyo

Registration

The first 200 people to come will be accepted.

Free for GXI member companies, Faculties, Researchers, Students of Science Tokyo.

Non-GXI members need to pay the fee.

50,000 yen for Non-GXI member companies

10,000 yen for Non-Science Tokyo faculties

5,000 yen for Non-Science Tokyo students (tax included)

Register by the link below or scan the QR code

<https://www.gxi.iir.titech.ac.jp/en/about/gx-global-workshop/>

Contact

Science Tokyo GXI office

office@gxi.iir.isct.ac.jp 03-5734-3284



GX Global Workshop

GX for Sustainable Carbon Neutral Societies

8:30–9:00

Registration

9:00–10:00

Opening Session

※IN PERSON ONLY, Simultaneous interpretation is available

※This is a tentative program at December 23, 2025

Yukitaka Kato, Prof., Director, Laboratory for Zero-Carbon Energy, Institute of Integrated Research, Institute of Science Tokyo, Director of Science Tokyo GXI

Naoto Ohtake, Prof., President and Chief Executive Officer, Institute of Science Tokyo

Takuya Fukumoto, Deputy Director-General for Innovation Policy, Ministry of Economy, Trade and Industry (METI)

Soichiro Shimotori, Dr., Senior Fellow, Energy Aggregation Div., Toshiba Energy Systems & Solutions Corporation

10:00–12:00

MIT Session : Decarbonization and Future Energy Systems

Session chair: Prof. Yoichi Murakami

1. William Green, Prof., Executive Director of MIT Energy Initiative (MITEI), Prof. of Chemical Engineering
“Global Collaboration on Addressing the Technical Challenges”
2. Morgan Andrae, Dr., Executive Director of MITEI Future Energy Systems Center
“Data Center and Energy Transition Projects from the MITEI Future Energy Systems Center”
3. Gayathri Srinivasan, Dr., Executive Director of MIT Industrial Liaison Program (ILP)
“MIT Industrial Liaison Program—Connecting MIT with Global Partners for Innovation”
4. Review of Decarbonization in Japan (Prof. Keigo Akimoto, Science Tokyo and RITE)
5. Panel Discussion

12:00–13:10

Lunch

13:10–14:45

DLR Session : Energy Storage

Session chair: Associate Prof. Takuya Harada

1. Andre Thess, Prof., Director of the Institute of Engineering Thermodynamics at German Aerospace Center (DLR) and Prof. at Stuttgart University
“Carnot Batteries and the Decarbonization of Coal Fired Power Plants”
2. Kim Seon Tae, Dr., Research Scientist at the Institute of Low-Carbon Industrial Processes at DLR
“Integrated High-Temperature Heat Pump and Thermal Energy Storage Systems for Industrial Decarbonization”
3. Review of Energy Storage in Japan (Prof. Tomohiko Ikeya, Science Tokyo)
4. Panel Discussion

14:45–15:00

Coffee break

15:00–16:35

EPRI Session : Energy Carriers

Session chair: Prof. Junichiro Otomo

1. Jeffery Preece, Vice President, Energy Supply, Fleet Development & Fuels, Electric Power Research Institute (EPRI)
“Deploying Alternative Fuels and Energy Carriers Sector Coupling: Presentation of Case Studies”
2. Yasuhiro Ichio, Net-Zero Resources Lead, Japan and Taiwan, EPRI
“EPRI’s Global Collaborative Research for Low-Carbon Energy Carriers”
3. Review of Energy Carriers in Japan (Prof. Takao Nakagaki, Science Tokyo and Waseda Univ.)
4. Panel Discussion

16:35–16:45

Closing Session

Mika Goto, Prof., School of Environment and Society, Institute of Science Tokyo, Director of GX Frontier Visionary Initiative

Mutsuko Hatano, Prof., Executive Vice President for Research and Industry-Academia-Government Collaboration, Institute of Science Tokyo

17:00–18:30

Networking Party Fee: 5,000 yen

Tsubame Terrace, 2F, West 5th Bld., Ookayama Campus, Institute of Science Tokyo

Notes for the Event

This event is limited to the first 200 people to come, so please apply as soon as possible. For the purpose of recording and publicity, we may take photos and videos of the event. Contents are subject to change. We will update the information about speakers and programs as needed. Science Tokyo Innovation Co., Ltd. will support the implementation of the event as a co-organizer of this event.