

Members only

Wed., **July 31**, 2024

2:45 p.m. open

Pre-registration required

Free of charge※

On-site & Online Hybrid

InfoSyEnergy Research and Education Consortium
Academy of Energy and Informatics

8th InfoSyEnergy Members-only Workshop for Energy Research

“How low can hydrogen prices go?”

Efforts to realize a hydrogen society are being strengthened both domestically and internationally. As countries and regions set hydrogen introduction targets and support technological development, Japan has also been working on projects such as establishing a large-scale hydrogen supply chain through the Green Innovation Fund since fiscal year 2021 and producing hydrogen through water electrolysis using electricity derived from renewable energy sources.

The Basic Hydrogen Strategy, revised in June 2023, set the introduction target for 2040 at 12 million tons and outlined a hydrogen industry strategy aiming to utilize core hydrogen technologies such as fuel cells, water electrolysis, power generation, transportation, and parts and materials. In addition, at a government expert meeting in May this year, discussions began toward formulating the 7th Strategic Energy Plan, with the focus on increasing the proportion of decarbonized power sources toward achieving carbon neutrality by 2050, in a manner consistent with the GX Implementation Council.

The workshop will focus on the theme of "How low can hydrogen prices go?", which is the key to the widespread use of hydrogen, and will be based on quantitative analysis using a world simulation model and knowledge gained from specific corporate initiatives. Through lectures and panel discussions, we will discuss the prices of imported and domestic hydrogen, as well as their prerequisites, and current and future challenges in technological development.

Available for English interpretation online only.

Date & Time : Wednesday, July 31, 2024 **Doors open at 2:15 p.m. Starts at 2:45 p.m.**

Venue : Environmental Energy Innovation Building (Ookayama North Bldg. 3)

1st Floor, Innovation Hall

Target : Members of InfoSyEnergy Research and Education Consortium.

(Young researchers from member organizations are also welcome to participate.)

Tokyo Tech Faculty and ISE students. (We highly encourage ISE students to participate on-site.)

Holding method : On-site and Online Hybrid *English interpretation will be available for online participants.

Participation fee : Free of charge ※Fee will be applied depending on the consortium membership type.

How to participate : Pre-registration required

Deadline for pre-registration : Wednesday, July 24, 2024

After the workshop, we plan to hold a networking event at the venue.

Participation fee applies (*free for students) and participation is optional.



Tokyo Tech



共催：東京工業大学 InfoSyEnergy 研究/教育コンソーシアム / エネルギー・情報卓越教育院



東京工業大学
エネルギー・情報卓越教育院
Tokyo Tech Academy of Energy and Informatics

[Inquiry]

Tokyo Institute of Technology
InfoSyEnergy Research and Education Consortium
Management Operations office
office@infosyenergy.titech.ac.jp

“How low can hydrogen prices go?”

14:45 ~ 14:50

Opening Address

Ms. Kaoru KUWATA

Executive Vice President for Research, Diversity, Equity, and Inclusion, Tokyo Tech

14:50 ~ 15:00

Purpose of the Symposium

“Research on the convergence of energy, data, and economics”

~Introduce the project of Grants-in-Aid for Scientific Research~

Prof. Mika GOTO

Workshop Chair, School of Environment and Society, Tokyo Tech

15:00 ~ 15:20

Lecture1 “InfoSyEnergy Hydrogen Vision”

Prof. Manabu IHARA

Head, Tokyo Tech InfoSyEnergy Research and Education Consortium

Director, Tokyo Tech Academy of Energy and Informatics

School of Materials and Chemical Technology

15:20 ~ 15:35

Lecture2 “Techno-economic analysis of hydrogen imports considering the global hydrogen supply chain”

Mr. Tatsuya OKUBO

Specialist, Sustainability Unit, Deloitte Tohmatu Consulting LLC

15:35 ~ 16:05

Lecture3 “Economic Analysis of Domestic and Imported Hydrogen Supply and Demand in Achieving a Decarbonised Society Under the Uncertainty of International Cooperation and GX Progress”

Mr. Hiroshi HAMASAKI

Visiting Associate Professor (Lecturer), Tokyo Tech Academy of Energy and Informatics

16:05 ~ 16:35

Lecture4 “Pioneering Hydrogen Energy Initiatives at ENEOS”

~Spearheading the Transition to a Hydrogen Society with Methylcyclohexane~

Mr. Hideaki TANAKA

Operating Officer, General Manager Hydrogen Business Department, ENEOS Corporation

16:35 ~ 17:35

Panel Discussion “How low can hydrogen prices go?”

Moderator : **Prof. Manabu IHARA**

Panelists : **Mr. Hideaki TANAKA**

ENEOS Corporation

Mr. Junichi SATO

Technology Executive, Hydrogen Energy Systems Energy Aggregation Div.,

Toshiba Energy Systems & Solutions Corporation

Mr. Kenji YOSHIMURA

Executive Deputy Group Manager

Senior Manager of Business Development Department, Hydrogen Strategy Division,

Kawasaki Heavy Industries, Ltd.

Prof. Mika GOTO

Tokyo Tech

Mr. Hiroshi HAMASAKI

Tokyo Tech

17:35 ~ 17:40

Closing Address

Prof. Manabu IHARA

17:45 ~ 19:15

Networking Event open Venue: Innovation Hall, 1F, EEI Bldg.,

*Fee will be charged for this event. (Free of charge for ISE students.)

NOTES▶

Deadline for pre-registration
Wed, July 24

- Pre-registration is required regardless of on-site or online participation.
- Registration may close before the deadline if the capacity of on-site participation is reached.
- Faculty members of Tokyo Tech and ISE students must register with an email address at titech.ac.jp.
- We strongly encourage ISE students to participate on-site. Please check Slack for details.
- The URL for registration will be sent to consortium members by email.
If you have any questions, please contact us.
※Fee will be applied depending on the consortium membership type.



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