

InfoSyEnergy Research and Education Consortium 5th InfoSyEnergy Members-only Workshop for Energy Research

English
interpretation
available

--- Toward Carbon Neutral Society ---

Mechanism of the Power Generation Cost Resulting from the Introduction of Renewable Energy Through Additional Integration Cost

This workshop focuses on cost analysis and scenario analysis taking into account renewable energy for the decarbonated society. Up-and-coming researchers, who are providing analysis results to the governmental subcommittee in Agency for Natural Resources and Energy, will lecture the results using different analysis methods. Specifically, we will discuss the mechanism and model validity of the power generation cost-increase resulting from the introduction of renewable energy through additional integration cost. In the Panel discussions, how to suppress power prices in the carbon neutral society will be discussed while overviewing characters of the models, principal input values, and output results, from both R&D and political view points. In this workshop, Japanese-English simultaneous interpretation will be conducted for participants from overseas people.

2022 **May.24**(Tue) **13:30** open

Participation is **free**

Members only

Registration required

Online delivery by **ZOOM**

Language: Japanese

English simultaneous interpretation

PROGRAM

- 13:30~13:35 **Opening greetings**
Osamu WATANABE
(Executive Vice President for Research, Tokyo Tech)
- 13:35~13:45 **Activity and Annual Plan of InfoSyEnergy Consortium**
Manabu IHARA
(Head of consortium; Director of Academy of Energy and Informatics;
Professor, School of Materials and Chemical Technology, Tokyo Tech)
- 13:45~13:50 **Outline of Workshop**
Hiroshi HAMASAKI (Visiting Lecturer, School of Materials and Chemical Technology, Tokyo Tech)
- 13:50~14:20 **Lecture 1 「Technology and Cost for Realization of Carbon Neutral in 2050」**
Fuminori SANO (Research Institute of Innovative Technology for the Earth (RITE))
- 14:20~14:50 **Lecture 2 「A Scenario for Achieving a Carbon Neutral Society in Japan by 2050: An Analysis of AIM」**
Shuichi ASHINA (National Institute of Environmental Research Laboratories)
- 14:50~15:20 **Lecture 3 「The Role of Renewable Energy and Flexibility Mechanisms
to Realise a Carbon Neutral Society」**
Hiroshi HAMASAKI (Visiting Lecturer, School of Materials and Chemical Technology, Tokyo Tech)
- 15:30~16:30 **Panel discussion**
Theme : Cost and Scenario Analyses of Renewable Energy Introduction Toward a Carbon-Free Energy Society
Moderator: **Manabu IHARA**
Panelists: **Fuminori SANO; Shuichi ASHINA; Hiroshi HAMASAKI**
- 16:30~16:35 **Closing greetings**
Manabu IHARA
(Head of consortium; Director of Academy of Energy and Informatics;
Professor, School of Materials and Chemical Technology, Tokyo Tech)

**Registration ▶▶
To member's page**

<https://www.infosyenergy.titech.ac.jp/en/member-info/>



Tokyo Tech



Tokyo Tech Academy of
Energy and Informatics

Management operations office
InfoSyEnergy Research and Education Consortium
office@infosyenergy.titech.ac.jp