InfoSyEnergy Research and Education Consortium

4th InfoSyEnergy Open Symposium

Future of Hydrogen Energy achieving Carbon Neutrality

Reduction of global warming gases such as CO2 has become a major social issue. In the new society aiming for carbon neutrality, hydrogen has been attracting attention as a substance that supports the future of humankind from various viewpoints. Japan has pioneered the "Basic Hydrogen Strategy," but in order for hydrogen to actually spread and support society in the future, it is said that it is important to overcome the technical challenges that need to be overcome, as well as to design a system that will ensure energy and economic security and realize a growth strategy. Japan has many world-leading examples of technology, including robots, semiconductors, batteries, solar panels, and liquid crystals, and it is important for the international community to widely deploy these technologies, and this also applies to hydrogen.

In the Keynote, Mr. Yasuhiko Hashimoto, Representative Director, President and CEO, Kawasaki Heavy Industries Ltd. progressing business first to focus potential future of hydrogen, will address regarding future society from broad point of hydrogen and robotics.

In the general lectures, Professor Manabu Ihara (School of Materials and Chemical Technology), consortium Head, will represent an overview of hydrogen vision made up through information exchange and discussions with member companies. Professor Takeo Yamaguchi (Institute of Innovative Research), a consortium member, will present the latest research results on hydrogen production using new materials.

In the panel discussion, Mr. Motohiko Nishimura, Executive Officer, Kawasaki Heavy Industries Ltd., who was involved in the development of the world's first liquefied hydrogen carrier and other experts will be invited, and will discuss future images of hydrogen energy and challenges leading up to it.

Venue : Tokyo Tech Front, Kuramae-Hall (MAP)

English interpretation available

2023

1.16. Mon

Free of charge

Registration Here !

14:00～14:10 **Opening Address**
Kazuya MASU, President, Tokyo Tech

14:10～14:15 **"Purpose of this Symposium"**
Prof. Yoshisato KIMURA Symposium Chair
School of Materials and Chemical Technology, Tokyo Tech

14:15～15:15 **Keynote Speech**
"Truthworthy Solutions for the Future - Activities on Hydrogen Supply Chain and Digital Robotics to Solve Social issues –"
Mr. Yasuhiko HASHIMOTO, Kawasaki Heavy Industries, Ltd.,
Representative Director, President and Chief Executive Officer

15:15～15:45 **Lecture 1**
"Outline of InfoSyEnergy Hydrogen Energy Vision"
Prof. Manabu IHARA Head, Infosy**Energy** Research and Education Consortium, School of Materials and Chemical Technology, Tokyo Tech

15:45～16:15 **Lecture 2**
"Hydrogen society and hydrogen production by anion exchange membrane water electrolysis"
Prof. Takeo YAMAGUCHI Institute of Innovative Research, Department of Chemical Science and Engineering / Program coordinator, Tokyo Tech Academy for Convergence of Materials and Informatics, Tokyo Tech

16:15～16:25 **Break**

16:25～17:25 **Panel Discussion**
Panelists : Mr. Motohiko NISHIMURA Kawasaki Heavy Industries, Ltd.,
Executive Officer, Deputy General Manager, Hydrogen Strategy Division
Mr. Toshiyuki SUDA IHI Corporation, Corporate Strategy Headquarters
Prof. Takeo YAMAGUCHI Tokyo Tech
Hiroshi HAMASAKI Visiting Lecturer, Tokyo Tech Academy of Energy and Informatics
Moderator : Prof. Manabu IHARA Tokyo Tech

17:25～17:35 **Closing Address**
Osamu WATANABE, Executive Vice President for Research, Tokyo Tech

Registration

※Programs are subject to change without notice.

Tokyo Tech

Tokyo Tech InfoSyEnergy Research and Education Consortium

Tokyo Tech Academy of Energy and Informatics

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