

Report on the 6th Michael Nobel Sustainability Technology Symposium

Date: November 9, 2017

Venue: Teshima Conference Room, Tokyo Tech Front, Tokyo Institute of Technology, Tokyo, Japan

Theme: Role of hydrogen technologies in support of global sustainability

The symposium delivers Japan's cutting-edge technologies on hydrogen application, hydrogen transportation and hydrogen energy system plan.

Dr. Michael Nobel made a keynote speech followed by explanation about Nobel Sustainability Trust. Dr. Nobel is in charge of its chairman.

Mr. Kojima of Toyota Motor Corp. presented about development of Fuel Cell Vehicle (FCV). FCV "Mirai" is installed with many ideas and efforts such as self-humidifying system, cold-start (-30 deg C) system and so on.

Dr. Kaneko of Panasonic Corp. reported on "Development Status of Panasonic ENE-FARM Home Fuel Cell". More than 200,000 units of household FC cogeneration system, ENE-FARM has been purchased by 2017. Carbon-free system comprising pure hydrogen FC, photovoltaic system (PV) and electrolyzer will soon appear.

Prof. Okazaki of Tokyo Institute of Technology (Tokyo Tech) presented about Global Hydrogen Energy Unit (GHEU) and Global Hydrogen Energy Consortium (GHEC). The unit aims to achieve the hydrogen society in which 20% or more of energy supply will be carried by hydrogen.

Dr. Hirose, Visiting professor of Kyushu University appeared in video and talked about "Hydrogen Council", recently organized by COEs of leading companies in the world. The council promotes energy shift from fossil fuels to hydrogen.

The panel discussed on how to accelerate international collaboration in the field of hydrogen energy jointly with Mr. Kumar of India who joined in the symposium.

Memorandum of understanding (MOU) was created by the panelists at the end of the discussion.

