

Special Sessions

14th Jan, 10:00-12:10

MIT, Decarbonization

Prof. William H. Green (MIT)

Energy Transition Challenges
for the Engineering Community

Prof. Jacopo Buongiorno (MIT)

Nuclear Energy: Have We Entered a New Era?

Dr. Masami Takenaka

(Asahi Kasei Corp.)

Decarbonization with Green Hydrogen
Production, Bio Process, and CO₂
Capture/Utilization Technologies

Dr. Koichi Izumiya

(Kanadevia Corp.)

Development of Power to Gas Technologies with
Methanation and Water Electrolysis for
Implementation of Carbon-Neutral Society

15th Jan, 9:00-11:10

EPRI, Energy Carrier

Jeffery Preece (EPRI)

Perspectives on Policy Gaps and Drivers to
Accelerate Adoption of Low-Carbon Fuels in
Hard-to-Decarbonize Areas of the Economy

Neil Kern (EPRI)

Perspectives on Technology Gaps and Drivers to
Accelerate Adoption of Low-Carbon Fuels in
Hard-to-Decarbonize Areas of the Economy

Prof. Hiroshi Asano

(Science Tokyo/CRIEPI)

Green Growth Strategy Toward Net-Zero
Emissions Energy Systems

Prof. Takeo Yamaguchi

(Science Tokyo)

Necessity of a Hydrogen Society and Recent
Development of AEM Water Electrolysis

16th Jan, 9:00-11:10

DLR, Energy Storage

Dr. Thomas Bauer (DLR)

Thermal Energy Storage for Defossilisation of
the Process Heat Sector

Dr. Inga Bürger (DLR)

Thermochemical Energy Storage and Synergies
with Hydrogen

Prof. Takahiro Nomura

(Hokkaido Univ.)

High Temperature Latent Heat Storage
with Alloy Based Phase Change Material

Prof. Hajime Arai

(Science Tokyo)

Rechargeable Batteries for GX

16th Jan, 14:40-16:00

GXI VISION 2050

Prof. Yukitaka Kato

(Science Tokyo)

GXI VISION 2050 for Carbon Neutral Society

Prof. Takao Nakagaki

(Science Tokyo/ Waseda Univ.)

The THREE Points of GXI VISION 2050

Prof. Keigo Akimoto

(Science Tokyo/RITE)

Japan's Energy Basic Policy in GXI VISION 2050

Prof. Kenji Takeshita

(Science Tokyo)

Japan's Nuclear Policy in GXI VISION 2050