

The 15th International Symposium of Advanced Energy Science

Toward the Realization of Advanced and Carbon Negative Energy



Dec.10-13, 2024

Venue: Kihada Hall, Uji Obaku Plaza, Kyoto University, Uji Campus, Kyoto, Japan

Program

Dec.10 Oral Session, Poster Session

Dec.11 Oral Session, Poster Session

Dec.12 Oral Session, Parallel Seminar

Dec.13 Parallel Seminar

Plenary Speaker



JAPAN

Nobuo TANAKA

International Energy Agency (IEA)
Executive Director Emeritus

Global Energy and Climate Crises:
Winners and Losers

Organized by Institute of Advanced Energy, Kyoto University, Japan

Co-organized by the Joint Usage/Research Center for Zero Emission Energy Research, IAE,
Integrated Research Center for Carbon Negative Science, IAE

International Invited Speakers



KOREA

Jonghyun KIM

Department of Nuclear and Quantum
Engineering, Korea Advanced Institute
of Science and Technology (KAIST)
Professor

AI Applications to the Operation of
Nuclear Power Plants



KOREA

Yoong Ahm KIM

Chonnam National University
Professor

Carbon Nanotubes
for Lithium-Ion Batteries



ITALY

Sudip CHAKRABORTY

University of Calabria
Professor

Sustainable Energy:
Can Membrane Be a Solution?



USA

Hiroshi GOTA

TAE technologies
VP of Program Management /
Science Fellow

Aneutronic Fusion Research and
Development at TAE Technologies



GERMANY

Harald SCHWALBE

Goethe-University Frankfurt
Professor

NMR-Based
Antiviral Inhibitor Design



USA

Geoff WEHMEYER

Rice University
Assistant Professor

Switchable and Nonlinear Thermal
Devices to Control Thermal Energy

Contact: The Joint Usage/Research Center for Zero Emission Energy Research, IAE

e-mail: ze-kyodo@mail2.adm.kyoto-u.ac.jp

https://www.iae.kyoto-u.ac.jp/zero_emission_e/

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