

The RD20 Tokyo Symposium 2024

Overview

Date & Time: Oct. 11, 2024, 10:00–18:00

Location: Iino Conference Center, Tokyo (<https://www.iino.co.jp/hall/en/guide/conferencecenter/>)

Program

- 10:00–10:05 Opening remarks
Mr. ISHIMURA Kazuhiko, President, AIST, Japan
- 10:05–10:30 Guest speech
Mr. TAKEUCHI Shinji, Parliamentary Vice-Minister of Economy, Trade and Industry, METI, Japan
Mr. MASUKO Hiroshi, Senior Deputy Minister of Education, Culture, Sports, Science and Technology, MEXT, Japan
Mr. MATSUZAWA Yutaka, Vice-Minister for Global Environmental Affairs, MOE, Japan
Dr. YUMITORI Shuji, Executive Director, NEDO, Japan
- 10:30–13:00 Plenary session*
Dr. Vibha Dhawan, TERI, India
“Strategic Role of Biofuels in Energy Transition”
Dr. Laurent Antoni, IPHE
“Creating an international hydrogen market: the role of pre normative research”
Dr. YOSHINO Akira, AIST, Japan
“AIST/GZR’s Efforts Towards Achieving Carbon Neutrality”
Mr. SHIMAZU Takashi, TOYOTA CENTRAL R&D LABS., INC., Japan
“Carbon Neutral Initiatives -Toward a Sustainable Mobility Society-”
Prof. Dr. Cuk Supriyadi, BRIN, Indonesia
“Indonesia Summer School Report”
- 13:00–14:00 Break
- 14:00–15:00 Poster session
- 15:00–15:20 Coffee break
- 15:20–15:25 Guest speech
Mr. MATSUO Takehiko, Vice-Minister for International Affairs, METI, Japan
- 15:25–17:55 Technical session*
Prof. Dr. Andreas Bett, Fraunhofer ISE, Germany, *online*
“Photovoltaics at Fraunhofer ISE: Research, Transfer, Testing, and Recycling”
Prof. Dr. ISHIHARA Tatsumi, Kyushu Univ., Japan
“International Collaboration Study on Intermediate Temperature Solid Oxide Steam Electrolyzer for Green Hydrogen”

Prof. Dr. KAWAJIRI Yoshiaki, Nagoya Univ., Japan

“Development of energy-efficient CO₂ recovery process using novel zeolite adsorbent”

Dr. HASHIMOTO Jun, AIST, Japan

“Innovative Pathways to Carbon Neutrality: Advancing Smart Grid Technologies through Global Initiatives and International Collaboration”

Dr. MOCHIZUKI Takehisa, AIST, Japan

“Research and Development of Synthetic Fuel Technology at AIST”

17:55–18:00

Closing remarks

Dr. OBARA Haruhiko, Senior Executive Officer, AIST, Japan

*Simultaneous Japanese-English interpretation will be provided.

Poster Presentations

	Poster title	Exhibitor
1	A Brief Report of Development of GFM Inverters in Japan	Tokyo Electric Power Company Holdings, Inc., Japan
2	ENEOS's Initiative for Development of Green Hydrogen Supply Chains	YAMADA Koki, MISU Yoshitatsu and MATSUOKA Koji (ENEOS Corporation, Japan)
3	System Integration for a Resilient, Flexible, and Efficient Energy System Hydrogen Research Along the Whole Value Chain	Julia Seitz (Fraunhofer ISE, Germany)
4	Novel materials for energy conversion devices developed at INTI	Cynthia del Carmen Quiroga Valenzuela and Florencia Belén Wyss (INTI, Argentina)
5	Developing Sustainable Photoelectrocatalytic and Electrocatalytic Process for Energy and Fuel Production	Aufandra Cakra Wardhana (RIKEN, Japan)
6	Clean Combustion Technologies for Power Generation and Industrial Applications	Hazim Hasan Ali Shehab (AIST, Japan)
7	Thermal Energy Storage Material for Middle Temperature Heat	SAKAI Hiroki (AIST, Japan)
8	Numerical simulation of electricity consumption and temperature in the Tokyo metropolitan area to estimate the impacts of mitigation and adaptation measures to climate change	NAKAJIMA Ko (AIST, Japan)
9	Assessment of sustainable biomass utilization for fuel, fiber, and food in selected EAS countries using Water-Energy-Food-Land-Climate (WEFLC) nexus	Ruth Anne Gonocruz (AIST, Japan)
10	AIST Activities for Commercialization of Perovskite Solar Cells	MURAKAMI Takuro N. (AIST, Japan)
11	Production of High-pressure Hydrogen from Formic Acid	ONISHI Naoya (AIST, Japan)
12	Fuel gas production from sewage sludge using	Atul Sharma (AIST, Japan)

	chemical looping gasification technology	
13	Mapping the Path of a Green Industry: A Model Study on the Integration of Direct Air Capture and Methanol Production	Alexander Urbina Guzman (AIST, Japan)
14	Solar-to-hydrogen production through water splitting using photocatalysts	Vikas Nandal (AIST, Japan)
15	Research and Development of Solid Oxide Electrolysis Cells in AIST	Katherine Bagarinao (AIST, Japan)
16	International Joint R&D on Data-Driven DSR Control Technology for Energy Sharing	HONDA Tomonori (AIST, Japan)
17	Feasibility Study of Enhanced Mineralization based on LCA/TEA platform (Moonshot R&D)	MORIMOTO Shinichirou and YAMAMOTO Atsushi (AIST, Japan)