

September 27, 2022

National Institute of Advanced Industrial Science and Technology

Announcement of the 4th RD20

- International Conference on Clean Energy Technologies for Leaders of National Research Institutes in G20 Countries -

Point

- The 4th RD20 will be held as part of the Tokyo GX Week hosted by the Ministry of Economy, Trade and Industry
- Directors and representatives of research institutes will discuss the action plan to work toward achieving the Leaders Statement developed at the 3rd RD20 in 2021 (<https://rd20.aist.go.jp/en/rd20-3/>)
- RD20 aims to realize a carbon neutral society at an early stage by organizing international collaborative projects such as solar power generation and hydrogen, and human resource development plans

Overview

The National Institute of Advanced Industrial Science and Technology (Tokyo Headquarters: Chiyoda-ku, Tokyo / President: Kazuhiko Ishimura, hereinafter referred to as "AIST") will hold the international conference "4th RD20" from Tuesday October 4 to Thursday October 6, 2022.

Registration is currently available on the official RD20 website. <https://rd20.aist.go.jp/rd20-4/registration/>
For more information, please see the RD20 official website at <https://rd20.aist.go.jp/>.

*After registration, you will receive a link to watch the videos at a later date, so you will be able to watch the videos from after the conference to the end of December.
(In some cases, at the speaker's discretion, the entire program may not be available to watch after the conference.)

Dates: Tuesday October 4 to Thursday October 6, 2022

Technical Session: Tuesday, October 4, 2022, 9:30-17:20 (online)

Workshop for International Collaboration: Wednesday, October 5, 2022, 13:00-16:00 *Invitation required

Leaders Session: Thursday, October 6, 2022 13:00-17:00 (hybrid)

Host: AIST

Co-hosts: Ministry of Education, Culture, Sports, Science and Technology (MEXT), Ministry of Economy, Trade and Industry (METI), Ministry of the Environment, New Energy and Industrial Technology Development Organization (NEDO)

*RD20 is part of the Tokyo GX Week, an intensive program that the Ministry of Economy, Trade and Industry holds as international conferences on energy and environmental issues with the aim of achieving a "virtuous circle of economy and environment."

◆ Leaders Session

The Leaders Session will consist of keynote lectures and a roundtable discussion and be a hybrid of online and in person meetings at the Tokyo Prince Hotel. Directors and representatives of 17 research institutes from 15 countries and region will attend in person and discuss the action plan for achieving the Leaders Statement developed at the 3rd RD20 in 2021. The institutes described below are scheduled to participate in person.

In this session, Akira Yoshino, Director (Fellow) of the AIST Global Zero Emission Research Center, will deliver a keynote lecture and Kazuhiko Ishimura, President and CEO of AIST, will chair the roundtable discussion with the aim of adopting the action plan.

* Institutes scheduled to participate in person

INTI (Argentina), CSIRO (Australia), NRC (Canada), DICP-CAS (China), CNRS (France), CEA (France), Fh-ISE (Germany), TERI (India), BRIN (Indonesia), CINVESTAV (Mexico), KACARE (Saudi Arabia), CSIR (South Africa), TUBITAK-MAM (Turkey), NREL (United States), JRC (EU), RIKEN (Japan), AIST (Japan)

◆ Technical Session

The Technical Session will consist of the following three themes and will be held online:

- Theme 1: Hydrogen Life Cycle Assessment (LCA) and Techno-Economic Analysis (TEA)
Moderator: Dr. Florence Lefebvre-Joud, CEA-Liren, France
- Theme 2: Renewable Energy Generation and Integration
Moderator: Dr. Christian Thiel, JRC, EU
- Theme 3: Carbon Management
Moderator: Dr. David Harris, CSIRO, Australia

*Researchers from the following research institutes will also speak during the Technical Session:

INTI (Argentina), CSIRO (Australia), NRC (Canada), CNRS/Paris Dauphine (France), CNRS/ University of Strasbourg (France), Fraunhofer IEG (Germany), TERI (India), BRIN (Indonesia), CSIR (South Africa), NREL (United States), ANL (United States), JRC (Europe), AIST (Japan)

Overview of the Conference

Launched in 2019, the RD20 is a framework for international research and development aiming to strengthen international collaboration and promote innovation by leading research institutes in G20 countries and regions that develop the world's most advanced technologies for achieving carbon neutrality. RD20 provides opportunities for participants to exchange R&D activities and experiences and best practices related to clean energy technologies across countries and regions, as well as to explore the potential for international joint research. It also serves to deepen and develop new partnerships among relevant industries, academies, and government stakeholders.

*RD20 Key visual: Circles express collaboration and corporation, the various ribbons symbolize diverse thoughts of the researchers and the waves of the ribbons mean combining pile of efforts and seeking appropriate direction achievement of novel and innovative conclusion.



Reference Information

Tokyo GX Week

https://www.meti.go.jp/english/policy/energy_environment/global_warming/roadmap/tokyo_gx_week/index.html

*Countries and region of participation

Instituto Nacional de Tecnología Industrial (INTI), Argentine
Commonwealth Scientific and Industrial Research Organization (CSIRO), Australia
Energy, Mining and Environment Research Centre, National Research Council Canada (NRC), Canada
Dalian Institute of Chemical Physics , Chinese Academy of Sciences(DICP-CAS), China
Centre national de la recherche scientifique (CNRS), France
Alternative Energies and Atomic Energy Commission (CEA) , France
Fraunhofer Institute for Solar Energy Systems(Fh-ISE), Germany
The Energy and Resources Institute (TERI), India
National Research and Innovation Agency (BRIN), Indonesia
Center for Research and Advanced Studies of the National Polytechnic Institute(CINVESTAV), Mexico
King Abdullah City for Atomic and Renewable Energy(KACARE) , Saudi Arabia
Council for Scientific and Industrial Research (CSIR) , South Africa
TUBITAK Marmara Research Center (TUBITAK-MAM) , Turkey
National Renewable Energy Laboratory (NREL), USA
Joint Research Centre (JRC), European Union
RIKEN, Japan
National Institute of Advanced Industrial Science and Technology (AIST), Japan

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