

# TSUKUBA CONFERENCE 2023

Design the Future  
Curiosity-driven Quests for Global Solutions



Date : 9/26 (Tue.) – 28 (Thu.), 2023  
Venue : Tsukuba International Congress Center / Online

Concurrent Session: C-16



## International Collaboration Initiative on Next-generation Energy Materials and Devices for Innovation Creation

9/27 (Wed.) 15:30 - 17:00 <JST=UTC+9>

Venue : Tsukuba International Congress Center, Room 202A

Onsite / Hybrid

Official Language: English

Click here to register



Registration required  
Participation fee : free

The Global Zero Emission Research Center (GZR) of National Institute of Advanced Industrial Science and Technology (AIST) was established in January 2020 in line with the Japanese government's "Environment Innovation Strategy," which aims to reduce domestic as well as global greenhouse gas emissions. Connecting G20 researchers, GZR provides an important platform that attracts domestic and international insights about cutting-edge research and development. In this session, young researchers from GZR and overseas organizations will introduce their latest research results and standardization activities related to next-generation energy materials and devices, and discuss the importance of international collaboration in innovation.

### Program

- 15:30 Introduction  
Dr. Masayuki CHIKAMATSU (GZR)
- 15:35 Energy Materials for Renewable Energy Storage  
Dr. Satya Sekhar BHOGILLA (Indian Institute of Technology Jammu)
- 15:50 Thermoelectric Efficiency: From Data to Future, From Materials to Devices  
Dr. Byungki RYU (Korea Electrotechnology Research Institute)
- 16:05 International Research Trend of Perovskite Solar Cells  
Dr. Tetsuhiko MIYADERA (GZR/Oxford Univ.)
- 16:20 Standardization Activities for PV Calibration and Testing  
Dr. Masahiro YOSHITA (Renewable Energy Research Center)
- 16:35 Panel Discussion (All speakers and Dr. Takao ISHIDA)