



**5th International Workshop on the
Sustainable Actions for “Year by Year Aging” under Reliability
Investigations in Photovoltaic Modules, 2024**

SAYURI-PV 2024

Dear PV colleagues,

The organizing committee of SAYURI-PV 2024 is pleased to inform you that the 5th International Workshop on the Sustainable Actions for “Year by Year Aging” under Reliability Investigations in Photovoltaic Modules, 2024 (**SAYURI-PV 2024**) will be held.

With the increased affordability and rapid market expansion of PV, interests on the long-term reliability of PV modules have been growing among various stakeholders including users, investors and financial enterprises. In the face of the overheating trend towards perovskites, new silicon solar cells such as TOPCon are expected to expand their market share worldwide, and research and development into the long-term reliability of this new technology is becoming more active. In addition, the development of lightweight PV modules for new applications in buildings and vehicles is also progressing, and their safety and reliability are becoming issues. It is necessary to build a research foundation for new PV technologies and their performance and long-term reliability in new applications, and to reconstruct the fundamental technology for sustainable development in the era of terawatt PV.

In this 5th SAYURI-PV Workshop, we will focus on the **Reliability and Emergent PV technologies** to assure the long-term reliability of PV modules/systems, including efforts toward their standardizations. We believe that sharing information on PV module reliability technology and emerging PV technologies will significantly contribute to the sustainable growth of the PV sector.

We sincerely announce you to start the registration and the call for papers of this workshop. Please register and submit the abstract, according to the descriptions below.

We are looking forward to seeing you in the most beautiful season of Tsukuba, JAPAN.

SAYURI-PV 2024 Workshop: Overview

Date: November 7 – 8, 2024

Venue: Auditorium in AIST Tsukuba Central Campus
Central 1, 1-1-1 Higashi, Tsukuba, Ibaraki 305-8561, JAPAN

Registration Fee: Free **Language:** English

Website: <https://www.aist.go.jp/fukushima/en/sayuri-pv/2024/index.html>

Further Information: sayuri-pv-sec-ml@aist.go.jp

SAYURI-PV 2024 Workshop: Topics & Invited Speakers

- Building integrated PV, vehicle integrated PV, floating PV, and agri-PV
- Outdoor performance and durability testing of perovskite and tandem PVs
- Si cells and modules reliability and degradation
- PV module and system safety

Invited speakers:

Akihiko Nakajima (KANEKA)

Atsushi Masuda (Niigata University)

Gernot Oreski (PCCL)

“Reliability challenges of new PV module designs”

Jonathan Govaerts (Imec)

“Interconnection, encapsulation and reliability for vehicle- and other integrated PV”

Kenji Araki (University of Miyazaki)

“Testing, Modeling, and Rating: Unusual behavior of curved PV devices under non-ideal solar irradiance”

Laura Schelhas (NREL)

Mauro Pravettoni (TII)

Michael Owen-Bellini (NREL)

“DuraMAT program”

Michio Kondo (Waseda University)

Peter Hacke (NREL)

Takashi Minemoto (Ritsumeikan University)

“Damp heat and high temperature test of flexible perovskite solar cell modules”

SAYURI-PV 2024 Workshop: Registration

Click [HERE](#) to register.

For the registration, please pay good attention to if all required information is correctly filled in.

Registration fee is free to attend this workshop, but does not include the banquet fee.

If you attend the banquet scheduled in evening of November 7, please pay the banquet fee (JP¥ 5,000) at the registration counter before the banquet.

Privacy policy: The personal information you fill in in the application for participation, etc. will be used for correspondence regarding the holding of this workshop and for information on events related to our office. The personal information you enter is managed appropriately in accordance with the [Personal Information Protection Regulations of the National Institute of Advanced Industrial Science and Technology \(Japanese\)](#).

The registration deadline is [October 31, 2024](#).

SAYURI-PV 2024 Workshop: Call for Papers

We accept the submission of abstract for the presentation in this workshop, which is related to the reliability investigation of PV modules/system.

Some slots of oral presentation (ca. 20 min/slot) in this workshop will be open for the author(s) who submitted the abstract(s) of highest interest. And, the poster presentation is available also for the authors who submitted the noticeable abstract. The selection of speakers of the oral presentations will be determined by the organizing committee of SAYURI-PV 2024 Workshop, based on the comments from the program committee.

To submit an abstract for this workshop, please register yourself described above. And, send an abstract.

- All abstract must be in English.
- Please submit an abstract of no more than 300 words.
- No sales pitches will be accepted.

The abstract submission deadline is [October 15, 2024](#).

SAYURI-PV 2024 Workshop

Location, Travel & Accommodations

Workshop Venue

Auditorium in AIST Tsukuba Central Campus

Central 1, 1-1-1 Higashi, Tsukuba, Ibaraki 305-8561, JAPAN

http://www.aist.go.jp/aist_e/guidemap/tsukuba/center/tsukuba_map_c.html

Travel information

Overview: http://www.aist.go.jp/aist_e/guidemap/tsukuba/tsukuba_map.html

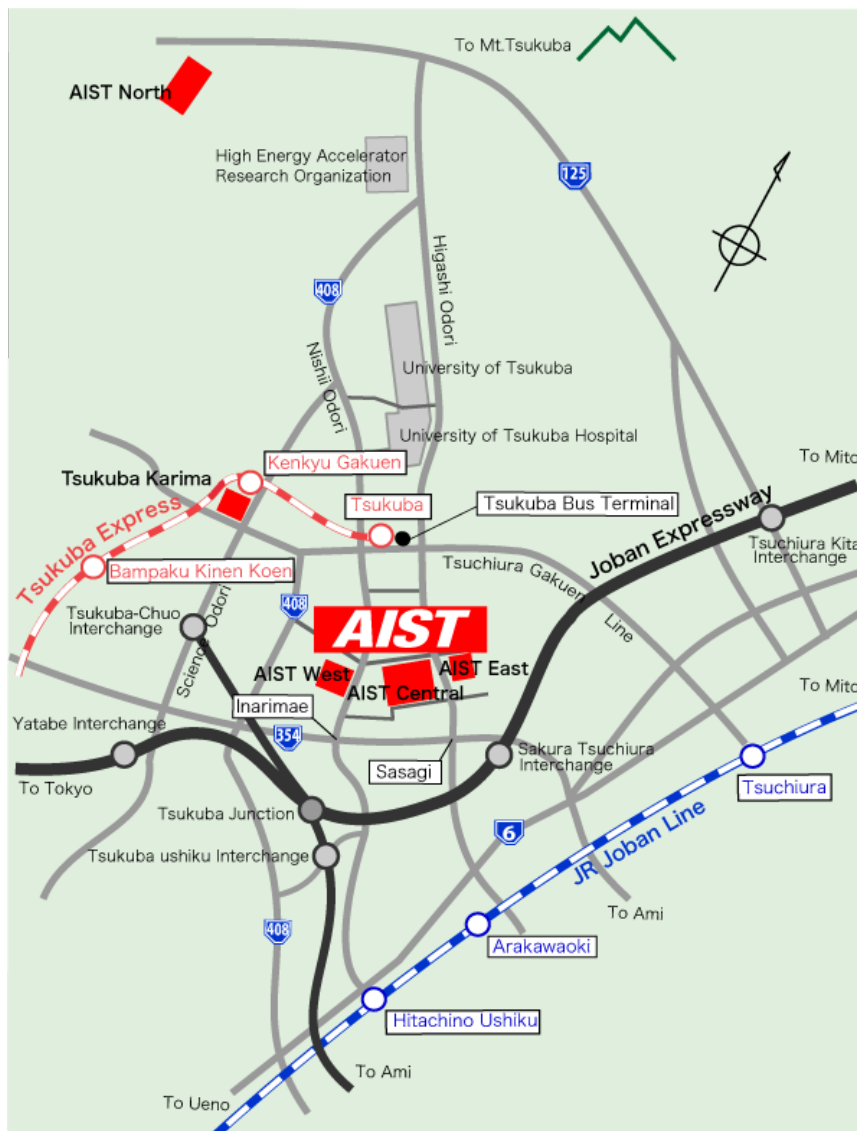
The city of Tsukuba is easily accessible

by bus from Narita International Airport (NRT) to “Tsukuba Bus Terminal”.

<http://www.chibakotsu.co.jp/en/kousoku/natts.html>

by train “Tsukuba Express” from Tokyo (Akihabara) to “Tsukuba”, “Kenkyu Gakuen”, or “Bampaku Kinen Koen”

<https://www.mir.co.jp/en/access/>



Hotel Information

Since it's the most beautiful season in JAPAN, it's best to reserve early for your travel to Tsukuba.

Some hotels are located in Tsukuba city. Please book your room by yourself, by internet service.

We recommend the hotel located near the “Tsukuba” station or “Kenkyu Gakuen” station for your convenience to access the workshop venue.

For the local move to workshop venue from your hotel, local bus or taxi is useful.

SAYURI-PV 2024 Workshop: Contact

When you need further information, please contact sayuri-pv-sec-ml@aist.go.jp

SAYURI-PV 2024 Workshop: Host

Renewable Energy Research Center (RENRC)
in National Institute of Advanced Industrial Science and Technology (AIST)