



# 6th International Workshop on the Sustainable Actions for “Year by Year Aging” under Reliability Investigations in Photovoltaic Modules, 2025 **SAYURI-PV 2025**

Dear PV colleagues,

The organizing committee of SAYURI-PV 2025 is pleased to inform you that the 6th International Workshop on the Sustainable Actions for “Year by Year Aging” under Reliability Investigations in Photovoltaic Modules, 2025 (**SAYURI-PV 2025**) 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 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 6th SAYURI-PV Workshop, we will focus on the **Reliability Science 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 2025 Workshop: Overview

**Date:** November 5 – 6, 2025

**Venue:** TSUKUBA International Congress Center  
2-20-3 Takezono, Tsukuba City, Ibaraki Prefecture 305-0032, Japan  
<https://www.epochal.or.jp/en/>

**Registration Fee:** Free                      **Language:** English

**Website:** <https://www.aist.go.jp/fukushima/en/sayuri-pv/2025/index.html>

**Further Information:** [sayuri-pv-sec-ml@aist.go.jp](mailto:sayuri-pv-sec-ml@aist.go.jp)

## SAYURI-PV 2025 Workshop: Topics & Invited Speakers

- Reliability of cutting-edge PV cells and modules
- Module reliability for integrated PV
- Fundamentals of module failure modes
- Field testing, PV recycle, and PV system reliability

### Invited speakers (confirmed):

Ellie Palmiotti (NREL)

“Spontaneous Glass Breakage in Glass-Glass Modules”

Hidenori Mizuno (AIST),

“Absolute EL Measurements of VIPV”

Keisuke Ohdaira (JAIST)

“Potential-induced degradation of Si photovoltaic modules with various n-type crystalline Si solar cells”

Mark Khenkin (HZB)

Takeharu Yamashita (Tokuyama)

Takeshi Tayagaki (AIST)

“Reliability issues in emergent PV technologies: PV reliability research at AIST”

(continued on next page.)

Yasuaki Ishikawa (Aoyama Gakuin University)

Yasuo Chiba (AIST)

“Current Status of crystalline silicon based photovoltaic modules exposed outdoors in Tosu city, Japan”

Yoshihiro Hishikawa (Ritsumeikan University)

“Long-Term Outdoor Performance and Stability of Flexible PSC modules”

## SAYURI-PV 2025 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.

**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 15, 2025.**

## SAYURI-PV 2025 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. The selection of speakers of the oral presentations will be determined by the organizing committee of SAYURI-PV 2025 Workshop, based on the comments from the program committee. To apply to be selected for an oral presentation, submit a 200-word plain-text abstract when you register.

**The closing date for open oral submissions is August 15, 2025.**

And, the **poster presentation** is available also for the authors who submitted the noticeable abstract. 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 200 words.
- No sales pitches will be accepted.

**The abstract submission deadline is October 15, 2025.**

## **SAYURI-PV 2025 Workshop**

### **Location, Travel & Accommodations**

#### **Workshop Venue**

**TSUKUBA International Congress Center**

2-20-3 Takezono, Tsukuba City, Ibaraki Prefecture 305-0032, Japan

<https://www.epochal.or.jp/en/>

#### **Travel information**

Overview: <https://www.epochal.or.jp/en/access/>

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/>

**From Tsukuba center to Tsukuba International Congress Center:** *About 8 min on foot.*

Go up the escalator to the pedestrian path, walk south along the path.

#### **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.

### **SAYURI-PV 2025 Workshop: Contact**

When you need further information, please contact [sayuri-pv-sec-ml@aist.go.jp](mailto:sayuri-pv-sec-ml@aist.go.jp)

### **SAYURI-PV 2025 Workshop: Host**

Renewable Energy Advanced Research Center (READ)

in National Institute of Advanced Industrial Science and Technology (AIST)