# ***Future PV2***

# ***FINAL TESTARE WORKSHOP - AGENDA***

**Title of event:** TESTARE Future PV2 Workshop (Hybrid)

**Date:** Monday, 29th June 2026

**Institution Organizer/Host:** University of Cyprus

**Location:** University of Cyprus, New Campus,

1 University Avenue, 2109 Aglantzia, Nicosia, Map

Building ENG 10, Amphitheatre B102, New Engineering School

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| **09:30 (EEST)** | **0:05** | **Welcome Remarks and TESTARE Project Overview**<br>*Maria Hadjipanayi (University of Cyprus) - TESTARE Project Coordinator* |
| **09:35** | **0:25** | **From Record Efficiencies to Commercial Products: Repeatability, Reproducibility, Standardization of Perovskite-on-Silicon Tandem Solar Cells**<br>*Mauro Pravettoni (Technology Innovation Institute TII)* |
| **Tandem PV** *(Chair/Moderator: Daniel Kirk)* | | |
| **10:00** | **0:20** | **Why Flexible? Advancing Existing Photovoltaic Technologies with Flexible Perovskite Modules**<br>*Luigi Castriotta (University Tor Vergata Roma)* |
| **10:20** | **0:20** | **Towards Upscaling of Perovskite-Silicon Tandem modules: Insights on Encapsulation Materials and Process**<br>*Chiara Barreta (Polymer Competenc Centrer Leoben PCCL)* |
| **10:40** | **0:20** | **Combining perovskites with silicon for dual and triple junction photovoltaics**<br>*Stefan De Wolf (King Abdullah University of Science and Technology KAUST)* |
| **11:00** | **0:15** | **Panel Discussion** |
| **11:15** | **0:15** | **Short break** |
| **Industry and Upscaling** *(Chair/Moderator: Aranzazu Aguirre)* | | |
| **11:30** | **0:20** | **Inkjet Printing Strategies for Scalable Perovskite/Silicon Tandem Solar Cells**<br>*Uma Kousalya (Karlsruhe Institute of Technology KIT)* |
| **11:50** | **0:20** | **Industrialisation of perovskite-silicon tandem technology**<br>*Daniel Kirk (Oxford PV)* |
| **12:10** | **0:20** | **Scalable Deployment of Large-Area, Roll-To-Roll Perovskite Modules with Intrinsic Bifaciality and Enhanced Angular Response**<br>*Eduardo Lemus (Power Roll)* |
| **12:30** | **0:15** | **Panel Discussion** |
| **12:45** | **1 hour** | **Lunch** |

Funded by the European Union

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| **Circularity** *(Chair/Moderator: Markus Kohlstädt)* | | |
| **13:45** | 0:20 | **Towards Sustainable Perovskite Photovoltaics: Materials, Manufacturing and Circular Economy Opportunities**<br>*Matthew Davies (Swansea University)* |
| **14:05** | 0:20 | **Recycling of Perovskite Mini-Modules**<br>*Cordula Wessendorf (Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg ZSW)* |
| **14:25** | 0:20 | **A multi-metric framework for material selection in perovskite modules: implications for sustainability, scalability, and net zero deployment**<br>*Savannah Bennett (Forschungszentrum Julich Gmbh)* |
| **14:45** | 0:20 | **Thin Film Photovoltaics: Merging LCA and Empirical Impact Assessment**<br>*Markus Lenz (University of Applied Sciences and Arts Northwestern Switzerland FHNW)* |
| **15:05** | 0:15 | **Panel Discussion** |
| **15:20** | 0:15 | **Coffee break** |
| **Metastability and Field Performance** *(Chair/Moderator: Matthew Norton)* | | |
| **15:35** | 0:20 | **Outdoor stability study of 4-terminal perovskite-silicon tandem modules and their single junction counterparts**<br>*Markus Kohlstädt (Fraunhofer Institute for Solar Energy System ISE)* |
| **15:55** | 0:20 | **Surviving the North: Perovskite PV Field Testing on the 65th**<br>*Thomas Kraft (VTT Technical Research Center of Finland)* |
| **16:15** | 0:20 | **Light intensity dependence of photocurrent in perovskite photovoltaics for space and terrestrial application.**<br>*Eugene Katz (Ben Gurion University of the Negev)* |
| **16:35** | 0:15 | **Panel Discussion** |
| **16:50** | 0:05 | **Closing remarks and end of workshop** |


**Abstract**

The FuturePV2 workshop focuses on the latest developments in emerging photovoltaic (PV) technologies particularly on perovskite-based PV. In this workshop, researchers and industry experts from the European and international perovskite community will delve into discussions on recent progress and practical challenges across four main thematic areas, namely **Industry & Upscaling**, **Tandem PV**, **Circularity**, and **Field performance and Metastability**. The workshop is structured in such a way allowing for both short insightful talks in each session from experts and leading groups as well as Panel discussions at the end of each session for further discussions and networking.


**TESTARE Project Background**

TESTARE is a Horizon Europe project that aims to stimulate excellence at the University of Cyprus (UCY) in the topic of new-generation PV technologies from the perspective of long-term stability and field reliability testing. In particular, the project aims to improve the R&I capabilities of the DegradationLab, a new research strategic unit of UCY which focuses on the study of degradation of new and emerging PV devices. To this end, UCY links with internationally leading research institutions, namely the Interuniversity Microelectronics Centre (imec), Fraunhofer Institute for Solar Energy Systems (Fraunhofer), and Ben-Gurion University of the Negev (BGU). The project targets to improve the R&I output of DegradationLab in the defined domain, boost its success rate in funding bids, enhance its reputation/visibility, develop long-term ties with the advanced partners, strengthen industry and MENA links, contribute to enhancing research management and administration capabilities at UCY towards making more sustainable its research ecosystem.


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