

# Agenda

Hasselt University (Belgium), 25.-26.04.2024



## Thursday, April 25th

8:30 - 9:00 **Registration**

9:00 - 9:15 **Welcome**

Ivan Gordon (IMEC), Michaël Daenen (UHasselt) & Karl-Anders Weiss (Fraunhofer ISE)

09:15 - 10:45 **Block I "Perovskite/Tandem"**

- From lab cell to full size module
- Perovskite photovoltaic: Extrinsic stability and Encapsulation challenge

Aranzazu Aguirre (Imec)

Stéphane Cros (CEA)

10:45 - 11:15 *Coffee Break*

11:15 - 12:45 **Block II "Integrated PV"**

- FPV and wind turbines: Additional humidity-induced stress for floating photovoltaics compared to ground-mounted PV
- Project MC2.0
- Specific needs for reliability in Integrated PV

Nathan Roosloot (IFE)

Marc Koetse (TNO)  
Representative from Soltech Solutions

12:45 - 14:00 *Lunch Break*

14:00 - 15:30 **Block III "IEA PVPS Task 13 Webinar: Adapted testing for emerging PV applications"**

- Introduction
- Adaptation for floating PV
- Higher thermal and thermomechanical stresses in building integrated PV modules.
- Q&A

Karl-Anders Weiß (ISE)  
Nikoleta KYRANAKI (IMEC)  
Ebrar Özkalay (SUPSI)

Karl-Anders Weiß (ISE)

15:30 - 16:00 *Coffee Break*

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- 16:00 - 17:00    **Block IV "Adapted testing for different climates and applications" - Group Discussions**
- Introduction: Powering Through Climate Change: Testing PV Modules Against Catastrophic Climate Events
  - Adapted testing for power electronics
  - Adapted testing for modules
  - Adapted testing for integrated applications
- 17:00 - 17:30    **Results of group discussions**
- 17:30            *End of Day 1 and Conference Dinner*
- Sagarika Kumar (Technology Innovation Institute)
- Karl-Anders Weiß (ISE)

## Friday, April 26th

- 08:30 - 09:00    **Registration**
- 09:00 - 10:30    **Block V "Electronics (related to PV)"**
- Reliability of Power Electronics in Photovoltaic systems
  - The potential and emerging reliability challenges of (offshore) floating photovoltaics
- 10:30 - 11:00    *Coffee Break*
- 11:00 - 12:30    **Block VI "Lightweight modules and testing, can they pass real life?"**
- Glass breakage in the lab
  - tbd
  - Key reliability aspects for the integration of PV in passenger car sunroofs
- 12:30 - 13:00    **Plenary Discussion & Sum up**
- 13:00            *End of Workshop*
- LAB-Tour (optional)**
- Ariya Sangwongwanich (AAU)
- Oscar Delbeke (KULeuven)
- Ingrid Hädrich, Jochen Markert (ISE)
- Florian Ollagnon (EPFL)
- Loïc Tous (AGC Glass Europe)