

Tuesday, April 29th

8:30 - 9:00	Registration	
09:00 – 09:15	Welcome	Karl-Anders Weiß (FHG ISE)
09:15 - 10:45	Block I "Field experience and inspection methods"	
	<ul style="list-style-type: none">Field experience of solar trackers	Nicholas Riedel-Lyngskær, (European Energy)
	<ul style="list-style-type: none">Field imaging inspection methods and tools for PV plants	Sergiu Spataru, (DTU)
	<ul style="list-style-type: none">Utilization of smart string inverters for advanced inspection and monitoring of PV systems	Lukas Koester, (EURAC)
10:45 - 11:15	<i>Coffee Break</i>	
11:15 - 12:45	Block II "Lightweight glass-free modules"	
	<ul style="list-style-type: none">Characterization and reliability test protocols for lightweight/glass-free PV components and modules	Gabi Eder, (OFI)
	<ul style="list-style-type: none">Tbd .	Tbd .
	<ul style="list-style-type: none">Tbd .	Tbd .
12:45 - 14:00	<i>Lunch Break</i>	
14:00 - 15:30	Block III "Mechanical Stabability"	
	<ul style="list-style-type: none">Encapsulation of ultra-thin glass modules CIGS	Gernot Oreski, (PCCL)
	<ul style="list-style-type: none">Tbd .	Tbd .
	<ul style="list-style-type: none">Mechanical simulation and interaction with substructure	Matthias Pander, (CSP)
15:30 - 16:00	<i>Coffee Break</i>	

16:00 - 17:00 **Block IV Webinar TASK13: "Dealing with important degradation/failure modes in current module types"**

- Introduction Marc Köntges, (ISFH)
- What can we learn from the comparison of glass breakage between Lab and Field? Jochen Markert, (FHG ISE),
Marc Köntges, (ISFH)
- How to handle UVID for TOPCon and SHJ modules Laura S. Bruckman, (CASE)
- How to deal with cold solder joints in JB of current module designs Marc Köntges, (ISFH), Jay Lin, PV Guider, (ISFH)

17:00 *End of Day 1 and Conference Dinner*

Wednesday, April 30th

08:30 - 09:00 **Registration**

09:00 - 10:30 **Block V "Discussion Round"**

- Reliability/certification of lightweight modules /image ... Ingrid Hädrich, (FHG ISE)
- Reasonable lifetime to aim for: 15 or 50a?? Karl-Anders Weiß, (FHG ISE)
- Future of field inspection Sergiu Spataru, (DTU)

10:30 – 11:00 *Coffee Break*

11:00 – 12:30 **Block VI "Modelling"**

- Evaluating module power loss estimation accuracy in field EL inspection Rodrigo Del Prado Santamaria, (DTU)
- Physics based modelling of perovskite technology – anomalous electrical characteristics Santosh Ramesh, (IMEC)
- Tbd . Tbd .

15th SOPHIA PV-Module Reliability Workshop

Agenda

DTU Risø Campus, (Denmark), 29.-30.04.2025



12:30 - 13:00 **Plenary Discussion & Sum up**

13:00 *End of Workshop*
LAB-Tour (optional) Until 4:00 pm