

IMPLEMENTING AGREEMENT ON PHOTOVOLTAIC POWER SYSTEMS  
TASK 13: PERFORMANCE AND RELIABILITY OF PV SYSTEMS

**IEA PVPS Task 13 Workshop at Intersolar 2015 in Munich, Germany**

## **PV Module Reliability and System Performance Analysis**

**Day:** Tuesday, 09 June 2015  
**Time:** 14:00 - 17:30  
**Site:** International Conference Munich (ICM) – Room 13A (1<sup>st</sup> floor)  
**Access:** Open to all registered participants

New technologies, revolutionary ideas, innovative solutions are the key words of Intersolar 2015. As a side event of the Intersolar Europe's Conference programme, the Workshop "PV Module Reliability and System Performance Analysis" organized by International Energy Agency (IEA) Photovoltaic Power Systems Programme (PVPS) Task 13, will present the information on state-of-the-art of PV module degradation, identification of main problems due to material properties and failure risk estimations as well as the achievements of the common work of the task experts over the last four years and the first results from the second phase of its work programme 2015 - 2018.

### **Programme Outline**

**Moderation:** Marc Köntges

**14:00-14:10**

**Short Introduction of PVPS**

Gaëtan Masson, Becquerel Institute, Brussels, Belgium

**14:10-14:30**

**Influence of PV Module Handling on Solar Cell Cracking**

Marc Köntges, Institute for Solar Energy Research Hamelin, Germany

**14:30-14:50**

**Hail Impact on PV Module Reliability**

Gerhard Mathiak, TÜV Rheinland, Cologne, Germany

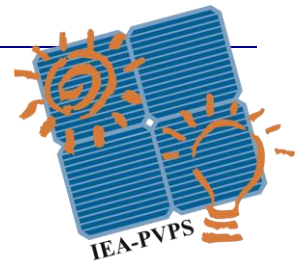
**14:50-15:10**

**Influence of Backsheet on PV Module Reliability**

Gernot Oreski, PCCL, Leoben, Austria

**15:10-15:30**

**Feedbacks and discussion**



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**15:30-16:00**

**Coffee and Networking Break**

**Moderation: Nils Reich**

**16:00-16:20**

**Automated Analysis of Monitoring Data with Regression Methods**

Achim Woyte, 3E, Brussels, Belgium

**16:20-16:40**

**Quality Assessment of PV Systems by Analysis of System Performance**

Wilfried van Sark, Copernicus Institute of Sustainable Development, Utrecht University, Netherlands

**16:40-17:00**

**Guidelines for IR/EL Outdoor Qualification of PV Systems**

Magnus Herz, TÜV Rheinland, Cologne, Germany

**17:00-17:15**

**Outlook – Further Work items of IEA PVPS Task 13**

Nils Reich, Fraunhofer ISE, Freiburg, Germany

**17:15-17:30**

**Feedbacks and discussion**

**17:30**

**End of Workshop**

Participants can look forward to a series of expert presentations, discussions and networking opportunities.