



IMPLEMENTING AGREEMENT ON PHOTOVOLTAIC POWER SYSTEMS



IEA PVPS Workshop at 6th WCPEC Kyoto, Japan

“Challenges and Promises to Large Scale PV Development”

Day: Tuesday, 25th November, 2014
Time: 09:30 – 18:00
Site: Room D, Kyoto International Conference Center
Access: Open to all registered WCPEC-6 participants

In 2014, PV will provide at least 1% of the world electricity demand for the first time. While this percentage represents still a small contribution, PV’s growth is at such a pace that it could become a significant source of electricity and modify radically the way how the world is powered in the coming decade. The IEA-PVPS has been researching the challenges associated with PV development for well over 20 years. This workshop will highlight the main challenges and promises PV will bear in the coming years and decades.

As an official event of the 6th WCPEC, this PVPS Programme Workshop is jointly organised by the IEA - International Energy Agency, the WCPEC-6 and NEDO, New Energy and Industrial Technology Development Organization.

Agenda

*This workshop will be Chaired by
Dr. Hiroyuki Yamada, Vice chairman of IEA PVPS/ NEDO, Japan
Stefan Nowak, Chairman of IEA PVPS*

9:30

Registration and Morning Coffee/Tea

10:00 – 11:00

Opening session – Mainstream PV Electricity as a Game Changer in An Evolving Energy World

This opening session will position the current and futures challenges and promises that the PV technology is bringing to the World. Declining prices, increase interest from dozens of governments, PV is changing the electricity and the energy landscape at the pace that could accelerate in the coming years.

Stefan Nowak	Chairman of IEA PVPS - Switzerland
Gaëtan Masson	Operating Agent of IEA PVPS Task 1 - Belgium
Christian Breyer	LUT - Finland

11:00 – 12:00 - Session 1 – PV as a Game Changer – But Can the Grid and the Electricity System Afford Such Changes?

This session will focus on the challenges linked to the integration of large shares of PV into distribution grids as well as in the electricity system in general. The question of very large scale PV systems and their impact on the electricity mix will also be considered, with a long-term perspective for the energy sector in general.

Roland Bründinger	Operating Agent IEA PVPS Task 14 - Austria
Ioannis-Thomas Theologitis	European PV Industry Association (EPIA) - Belgium
Thomas Stetz	Fraunhofer IWES - Germany

12:00 – 13:30 – Lunch Time



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13:30 – 15:00 - Session 2 – PV Market Development Trends: The Expected Rise of New Business Models

A focus on PV market development trends and new business models especially those concerning self-consumption. The future of utility-scale PV and competitiveness shall be discussed. This session will also look at the recent and possible future evolutions of Building Integrated PV Systems and the status and future of emerging new markets.

Arnulf-Jaeger Waldau European Commission, Joint Research Center, Italy
Robert Margolis NREL, USA
Thomas Meier ENTEC, Switzerland
Anjali Shanker Operating Agent IEA PVPS Task 9, France

15:00 – 15:30 – Session 3 – PV Recycling Policies and Technology

Recycling PV has been considered a long time as a necessity for the PV industry in order to support environmental policies. This session will detail the existing status of recycling technologies and the policy options to frame its deployment.

Ricky Sinha First Solar, USA

**15.30-16.00
Coffee & Tea Break**

**16:00 – 17:00
Session 4 – The Quest for Quality and Reliability – Competitiveness through Performance.**

This session will focus on the latest developments in terms of performance analysis and quality improvements. It will detail how financial institutions hold the key to lowering the cost of PV electricity and how PV systems should benefit from the latest findings with regard to understanding components and system failures and losses of performances.

Gernot Oreski University of Leoben, Austria
Ulrike Jahn Operating Agent IEA PVPS Task 13, Germany

1700-17:55 - Session 5 – PV Development in Japan – An International and Domestic Perspective

This session will explore the recent changes in the PV support policies in Japan and will compare with similar regulatory initiatives in IEA PVPS countries. How could Japan implement its new energy strategy, incorporating high shares of variable renewables?

Izumi Kaizuka RTS Corporation, Japan
Pr. Kazuhiko Ogimoto Institute of Industrial Science(IIS), Collaborative Research Center for Energy Engineering(CEE), Japan

17:55-18:00 Conclusion

Contact for further information: Mrs Izumi Kaizuka : kaizuka@rts-pv.com