



IEA PVPS Workshop @ PVSEC-27: 'PV for Sustainability'

(as of 06 September 2017, Content is subject to change)

Date & Time	16 November 2017, 13:30 – 18:00
Venue	Room 6, Lake Biwa Otsu Prince Hotel, Otsu, Shiga
Organizer & host	IEA PVPS Task 12 & Task 1, co-hosted by IEA PVPS, NEDO, PVSEC-27
Access	Open to all registered PVSEC-27 participants

Objectives

The IEA PVPS (International Energy Agency, Photovoltaic Power Systems Programme) is one of the Technology Collaboration Programmes within the IEA. The mission of the IEA PVPS is to enhance the international collaborative efforts which facilitate the role of photovoltaic solar energy as a cornerstone in the transition to sustainable energy systems.

Under the IEA PVPS, Task 12 aims to foster international collaboration on the area of photovoltaics and the sustainability and to compile and disseminate reliable information on sustainability such as environment, health and safety (EH&S), associated with the life-cycle photovoltaic technology including the end-of-life management.

As an official event of PVSEC-27, this workshop will focus on socio-economic sustainability and recycling of PV.

Agenda

[13:30-14:00 Session 1: Introduction]

: chaired by Keiichi Komoto (MHIR, JP, Task12) & Izumi Kaizuka (RTS Corp., JP, Task1)

This session will provide an overview of the IEA PVPS programme and Task12 activity.

- Hiroyuki Yamada (New Energy and Industrial Technology Development Organization (NEDO), Japan, IEA PVPS ExCo member of Japan)
- Gaëtan Masson (Becquerel Institute, Belgium, IEA PVPS Task1 Operating Agent)
- Andreas Wade (First Solar, Chair Environmental Footprint Taskforce SolarPower Europe, IEA PVPS Task12 deputy-Operating Agent)

[14:00-15:00 Session 2: Socio-Economic Sustainability of PV]

Socio-economic sustainability is a key for a sustainable energy system. In this workshop, socio-economic aspects of PV technology such as expected impacts and how to measure them will be presented and discussed.

Input from participants in form of ranking indicators, providing additional ideas and arguments will be welcomed.

- Susanne Schidler (University of Applied Science, Fachhochschule Technikum Wien,

Austria, IEA PVPS Task12 expert)

[15:00-15:30 *Coffee & Tea Break*]

[15:30-18:00 Session 3: PV Recycling

: chaired by *Andreas Wade (SolarPower Europe, Belgium, Task12 deputy-OA) & Gaëtan Masson (Becquerel Institute, Belgium, Task1 OA)*

While the recycling of waste PV modules has already begun to be commercialized, various technologies for PV module recycling are under development in order to improve process efficiency, economics, recovery and recycling rates, and environmental performance. To meet the needs for future recycling and recovery operations, further efforts including the acceleration of technology R&D are expected.

In this session, an overview of technology trends in relation to PV module recycling is given, and expected upcoming issues related to PV module recycling technologies are discussed.

(1) Trends in PV module recycling technologies

- Keiichi Komoto (Mizuho Information & Research Institute, Inc. (MHIR), Japan, IEA PVPS Task12 member)
- Jin-Seok Lee (Korea Institute of Energy Research, Korea, IEA PVPS Task12 member)

(2) Status and activities for PV module recycling

- Teiji Minami (New Energy and Industrial Technology Development Organization (NEDO), Japan)
- Jia Zhang (Institute for Electrical Engineering, Chinese Academy of Sciences, China, IEA PVPS Task12 member)
- Jin-Seok Lee (Korea Institute of Energy Research, Korea, IEA PVPS Task12 member)
- Andreas Wade (First Solar, Chair Environmental Footprint Taskforce SolarPower Europe, IEA PVPS Task12 deputy-Operating Agent)
- Wolfram Palitzsch (Loser Chemie GmbH, Germany)

(3) Discussion

Contact

Keiichi Komoto, MHIR, Japan : keiichi.komoto@mizuho-ir.co.jp

Teiji Minami, NEDO, Japan : minamitj@nedo.go.jp