



IEA PVPS Workshop

(as of 26th March 2019, contents are subject to change)



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| Date & Time | Tuesday, 18 th June 2019 |
| Venue | Room (TBD), Sheraton Grand Chicago , 301 E North Water St. Chicago, IL 60611 USA |
| Access | Open to all registered IEEE PVSC-46 participants (https://www.ieee-pvsc.org/PVSC46/index.php) |

1:30 - 3:00 PM Session 1: PV and Transport

Objectives: In order to mitigate CO₂ emission in the transport sector, promoting electrified vehicles (EVs) is suggested as an effective option. Then, a mutual exploitation of PV and electrified vehicles with battery should be a key for reducing CO₂ emissions in the transport sector. It is expected that a potential of PV market in the transport sector will be large and the market will be the next driving force for the further development of PV. In this session, possible approaches for 'PV for Transport' will be discussed after presentation by key experts in this field.

This session will be chaired by

- Mr. Keiichi Komoto (Mizuho Information & Research Institute (MHIR), Japan)
- Ir. Gaetan Masson (IEA PVPS Task 1 chairperson, Becquerel Institute, Belgium)

Speakers

Prof. Toshio Hirota, Waseda University, "Overview of IEA PVPS Task17: PV and Transport"

Dr. Bonna K. Newman, ECN part of TNO, "Solutions for a fully integrated solar electric car roof" (TBC)

Dr. Yasuyuki Ota, University of Miyazaki, "Evaluation of irradiance on car body to clarify the potential of vehicle-integrated photovoltaic"

- Beside, a couple of speakers from industry will be invited. (tbd)

3:00 - 3:30 PM Coffee Break at Exhibit Hall

3:30 - 5:00 PM Session 2: Grid cost: barriers or drivers?

Objectives: Costs of solar electricity have fallen so rapidly that new markets, applications and business models are being unlocked faster than is generally realised. With the increase of variable renewable energy and distributed generation, cost for grid has been discussed. This event will first discuss the development of the PV market, and discuss the various issues related to grid-cost in terms of economical view for self-consumption, grid design for hosting further variable electricity sources.

This session chaired by

- Ir. Gaëtan Masson (IEA PVPS Task 1 chairperson, Becquerel Institute, Belgium)
- Izumi Kaizuka (IEA PVPS Task 1, RTS Corporation, Japan)

Speakers

Ir. Gaetan Masson, IEA PVPS Task 1, "Setting the scene, Global land scape of PV market"

Dr. Brittany Smith, NREL, "US net-metering value and grid cost"

Prof. Joakim Widén, Uppsala University, "Alternatives to grid reinforcements for managing high PV penetrations and their impact on grid costs"

Dr. Arnulf Jäger-Waldau, EC, JRC, "Grid cost for high penetration of PV"

Dr. Stephen Tay, NUS, "Grid cost discussion in Singapore"(TBC)

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