



WG 5: PV in grids

Program for WG5 Workshop

Scheduled from 26 February (13:30-17:00h) to 27 February (9:30-17:00h)

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Description

We will have the opportunity to meet in Lisbon at the end of February 2019 and to have several days of intense exchange. Work in progress may be well suited for presentation as well, as we would like to identify potential topics for collaboration, which could materialize in Short Term Scientific Mission proposals. This meeting is a great opportunity for us and we should make the most out of it. This implies that we prepare the meetings as much as possible before we go to Lisbon. Ideally, we should only organize a workshop for a task that has already been defined with its objectives and an associated team, and on which we have already exchanged ideas through remote collaboration, via emails, shared documentation and call meetings.

Ideally, we should try to constitute teams of 3 to 6 persons around one specific task, with one task leader, and this task should aim to produce at least one publication in a scientific journal by the end of 2019.

Topics

- Acquisition and analysis of PV system data.
- Peer-to-peer prosumer cooperation, blockchain, spatiotemporal forecasting.
- PV power mitigation potential from the geographic dispersion of PV systems.
- Evaluation of the Power Quality indicators at the connection of PV systems to the grid.
- Better O&M procedures for PV systems, including soiling and cleaning strategies.
- Fault detection procedures to improve the energy yield of grid-connected PV systems.

The workshop will start with oral presentations on Tuesday, where the most relevant advances will be presented. On Wednesday, the participants will have time to make progress on common research interests in smaller groups. A plenary wrap-up conference will close the workshop.

Tuesday 26 February 2019 (13:30-17:00h)

Oral presentations

13:30 - 14:30h Plenary meeting (Room: C6.2.56)

14:30 - 15:00h Coffee break

14:30 – 17:00h WG5 Workshop (Room: C8.1.64)

14:30 - 15:00h	WG5: data and work plan	(Jonathan Leloux)
15:00 - 15:30h	Mapping annual and seasonal soiling in Western Europe	(Leonardo Micheli)
15:30 - 16:00h	Spatio-temporal forecasting and PV monitoring	(Rodrigo Amaro e Silva)
16:00 - 16:30h	Power Quality indicators at the connection of PV	(Cihan Gercek)
16:30 - 17:00h	PV integration in MV grids	(Jovan Todorović)

Wednesday 27 February 2019 (9:30-17:00h)

Free work sessions in small groups

09:30 – 10:30h Work session 1 (Room: C8.1.64)

11:00 – 11:30h Coffee break

11:00 – 12:30h Work session 2 (Room: C8.1.64)

12:30 – 13:30h Lunch

13:30 – 15:00h Work session 3 (Room: C3.1.10)

15:00 – 15:30h Coffee break

15:30 – 17:00h Plenary Meeting (Room: C6.2.56)

Thursday 28 February 2019 (9:00-17:00h)

Excursion

09:00 – 12:00h Visit to CIS PV plant

12:00 – 14:00h Lunch

14:00 – 17:00h Visit to CPV plant