

COST Action PEARL PV CA16235

Performance and Reliability of Photovoltaic Systems:
Evaluations of Large-Scale Monitoring Data



Training School I

Monitoring and Simulation of the Performance and Reliability of Photovoltaics in the Built Environment

23 - 26 October 2018

University of Cyprus, Nicosia, Cyprus

Schedule of events

Tuesday 23 October 2018, Location: University of Cyprus

Time	Activity	Lecturer
13:00-14:00	Registration and Opening of the Training School	Angele Reinders / UT and David Moser / EURAC
14:00-15:00	Keynote lecture: The use of PV in the built environment: Potentialities and challenges	Alessandra Scognamiglio / ENEA
15:00-15:30	Architectural aspects of building integrated photovoltaics	Aleksandra Krstic-Furundzic / University of Belgrade
15:30-16:00	Coffee break	
16:00-16:30	Trends of innovation for PV products integrated as buildings skin systems	Pierluigi Bonomo / SUPSI
16:30-17:00	Competitiveness of BIPV systems: status, key influencing factors & possible improvements	Philippe Mace / Bequerel institute
17:00-17:30	Experience of the European project PV Sites: Developing different BIPVs for different markets: technological, visual, standardization and regulatory issues	Maidier Machado / Tecnalia
17:30-18:00	BIPV: An overview from the industry perspective about the past - present - future.	Dieter Moor / Ertex Solar
19:00-21:00	Joint social evening event in Nicosia	

Wednesday 24 October 2018, Location: University of Cyprus

Time	Activity	Lecturer
9:00-10:00	Keynote lecture: Monitoring of the performance of integrated PV systems	Wilfried van Sark / Utrecht University
10:00-10:30	Performance, reliability and durability of PV systems integrated in the built environment	Karl Berger/ AIT or Gabriele Eder / OFI
10:30-11:00	Coffee break	

11:00-11:45	Performance measurements in the Lab	Marios Theristis and George Makrides / Univ. of Cyprus
11:45-12:30	Monitoring via remote labs (Dem4BIPV)	Karl Knöbl / FH-TW & George Makrides / Univ. of Cyprus
12:30-13:00	Round Robin on Monitoring of BIPV of IEA PVPS TASK15	Karl Berger / AIT or Gabriele Eder / OFI
13:00-14:00	Lunch break	
14:00-18:00	Lab-tour Practical course: performance measurements in the PV Lab and monitoring in remote lab	Marios Theristis and George Makrides / Univ. of Cyprus Karl Knöbl / FH-TW & Wilfried van Sark / Utrecht University
19:30-open end	Social gathering with dinner in a typical taverna	

Thursday 25 October 2018, Location: University of Cyprus

Time	Activity	Lecturer
9:00–10:00	Keynote lecture: Simulation and modeling of the performance of PV	Joshua Stein / Sandia (to be confirmed)
10:00-10:30	Basics for BIPV design and analysis	Nicola Pearsall / Northumbria University, (to be confirmed)
10:30-11:00	Coffee Break	
11:00-11:30	The importance of early design phase simulation, an approach	Marco Lovati / EURAC
11:30-12:00	Advanced concepts for 3D modeling of PV	Angele Reinders / University of Twente
12.00-12:30	Optical PV raytracing simulations for the analysis of BIPV modules in different scenarios (PV-Enerate)	Vasco Medici / SUPSI, PV ENERATE project
12:30-13:00	From product to process innovation in BIPV: perspectives towards a BIM-based approach and tools for BIPV analysis	Erika Saretta / SUPSI
13:00-14:00	Lunch break	
14:00-18:00	Practical course and Workshop: Modeling and simulations Possible training: <ul style="list-style-type: none"> - Analysis of optimal BIPV scenarios for façade (1h) - Analysis of BIPV building/urban scenarios and PV plant design (PVSites) (1h) - Modelling for a detailed estimation of BIPV modules power output in different scenarios (PV Enerate) (1h) 	Nicola Pearsall / Northumbria University Erika Saretta and Vasco Medici / SUPSI (PV ENERATE project) Marco Lovati/EURAC
19:00-21:00	Joint social event in Nicosia	

Friday 26 October 2018, Location: Outdoors and University of Cyprus

Time	Activity	Lecturer
9:00–11:00	Excursion I Field trip to PV installation	Marios Theristis and George Makrides / Univ. of Cyprus
11:00-13:00	Excursion II To be announced	Marios Theristis and George Makrides / Univ. of Cyprus
13:00-14:30	Final gathering with progress reports, feedback and discussions; Closure of the training school and Lunch	Angele Reinders / UT

Address of the venue:

University of Cyprus

1, University Avenue, Aglantzia

Nicosia, 2109 Cyprus



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