COST Action PEARL PV CA16235

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

PEARL PV

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	Innovative products for the use of PV in buildings: database of products, main features, BIM for integrated design process	Pierluigi Bonomo / SUPSI
16:30-17:00	Technical and economic potential for photovoltaic systems on buildings	To be invited
17:00-17:30	Experience of the European project PV Sites: Developing different BIPVs for different markets: technological, visual, standardization and regulatory issues	Maider Machado / Tecnalia
17:30-18:00	Conflict Efficiency ↔ Aesthetics; BIPV's price of aesthetics	Francesco Frontini / SUPSI
18:00-20:00	Joint social evening event	

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	Gernot Oreski / PCCL and Gabriele Eder / OFI
10:30-11:00	Coffee break	

11:00-11:30	Performance measurements in the Lab	Marios Theristis and George Makrides / Univ. of Cyprus
11:30-12:00	Monitoring via remote labs (Dem4BIPV)	Karl Knöbl / FH-TW & G and George Makrides / Univ. of Cyprus
12.00-12:30		
12:30-13:00	Round Robin on Monitoring of BIPV of IEA PVPS TASK15	Karl Berger / AIT and 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 & G and Wilfried van Sark/ Utrecht University
18:00-20:00	Social gathering with dinner, progress reports, feedback and discussion	

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	To be invited
10:00-10:30	Examples: early design phase simulation	Marco Lovati / EURAC
10:30-11:00	Coffee Break	
11:00-11:30	Introduction to parametric simulation tools and workflows for BIPV analysis: performance model for BIPV modules	Erika Saretta / SUPSI, PV ENERATE project
11:30-12:00	Advanced concepts for 3D modeling of PV	Angele Reinders / University of Twente
12.00-12:30	Bi-facial modules: Optical PV raytracing simulations under different mounting and albedo conditions for BIPV	Vasco Medici / SUPSI, PV ENERATE project
12:30-13:00	Tool PVSite in specific – A BIM-based collaborative platform to integrate PV simulation and building design approach	To be invited
13:00-14:00	Lunch break	
14:00-18:00	Practical course and Workshop: Modeling and simulations	Nicola Pearsall / Northumbria University, Erika Saretta and Vasco Medici / SUPSI
18:00-20:00	Joint social event	

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 decided	Marios Theristis and George Makrides / Univ. of Cyprus
13:00-14:00	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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