

COST Action PEARL PV CA16235: Performance and Reliability of Photovoltaic Systems: Evaluations of Large-Scale Monitoring Data



Training School II

EVALUATION OF THE PERFORMANCE DEGRADATION OF PV-SYSTEMS INFLUENCE FACTORS, FAILURE MODES AND THEIR DETECTABILITY AND EFFECT ON ECONOMIC VIABILITY

15th – 18th October 2019,

MCAST; Main Campus Triq II-Perit Dom Mintoff; Paola Malta PLA 9032

Schedule of events

Tuesday 15 October 2019: State of the ART c-Si PV

Time	Topic	Lecturers
9.00 - 9.30	Registration Opening of the Training School	Angele Reinders / UTwente
9.30 - 10.45	Keynote and expert lecture: Reliability of PV (c-Si) - influence factors, failure modes and Activities in IEA PVPS Task13	Karl Berger/AIT Gabriele Eder/OFI David Moser/ EURAC
10.45 - 11.00	Coffeebreak	
11.00 - 12.30	Postersession I: Mutual introduction of all participants	Aleksandra Krstic- Furundzic / Univ.Belgrade
12.30 - 13.30	Lunch	
13.30 - 15.15	Expert lectures + Discussions: Degradation mechanisms of PV-cells and polymeric materials	Gernot Oreski/ PCCL Abdülkerim Gök/ Gebze TU
15.15 - 15.30	Coffee break	
15.30 - 17.00	Practical Course: Degradation modeling	Gernot Oreski/ PCCL Abdülkerim Gök/ Gebze TU

Wednesday 16 October 2019: Performance degradation / Bankability

Time	Topic	Lecturers
9.00 - 10.45	Keynote and expert lectures: Measurement of performance degradation, failure detection	Jonathan Leloux / UPM Killian Lobato/Univ.Lisboa Christian Braun/ Fraunhofer
10.45 - 11.00	Coffee Break	
11.00 - 12.30	Bankability/calculations: effect of degradation and lifetime on economic viability	David Moser/ EURAC
12.30 - 17.00	Picnic Lunch Excursion to PV-Installation in Malta + Workshop: Evaluation and interpretation of electrical data I performance degradation, data treatment -> failure identification	Jonathan Leloux/ UPM Karl Berger/ AIT Abdülkerim Gök/ Gebze TU
Evening	Joined Dinner (invited)	

Thursday 17 October 2019: Thin film Technologies / Characterisation

Time	Topic	Lecturers
9.00 – 10.45	<i>Keynote + expert lectures:</i> Performance degradation of thin film PV	Marcus Rennhofer/ AIT Jeffrey Kettle/ Bangor Univ.
10.45 - 11.00	Coffee break	
11.00 -17:00	Visit to The University of Malta Solar Laboratory + Workshop: Measurement and interpretation of characterization data II Failure detection with EL, TG, UV-F...	Killian Lobato/ Univ.Lisboa Gabriele Eder/ OFI Marcus Rennhofer/ AIT Angele Reinders / UTwente
Evening	Social event	

Friday 18 October 2019: Emerging Technologies

Time	Topic	Lecturers
9.00 – 10.45	Keynote + expert lectures: Reliability and challenges of next generation PV-systems: Perovskite, OPV...	Shahzada Ahmad/BC materials Jeffrey Kettle/ Bangor Univ. Anna Ioannou/ EIE
10.45 - 11.00	Coffee break	
11.00 - 12.30	Interactive poster session II	Aleksandra Krstic-Furundzic / Univ.Belgrade
12.30 - 13.30	Wrap up & closing / joined lunch	

Address of the venue

MCAST, Malta College of Arts, Science and Technology

Main Campus Triq II-Perit Dom Mintoff

Paola Malta PLA 9032

Local Organizer: Dr Eur. Ing. Ing. Brian Azzopardi

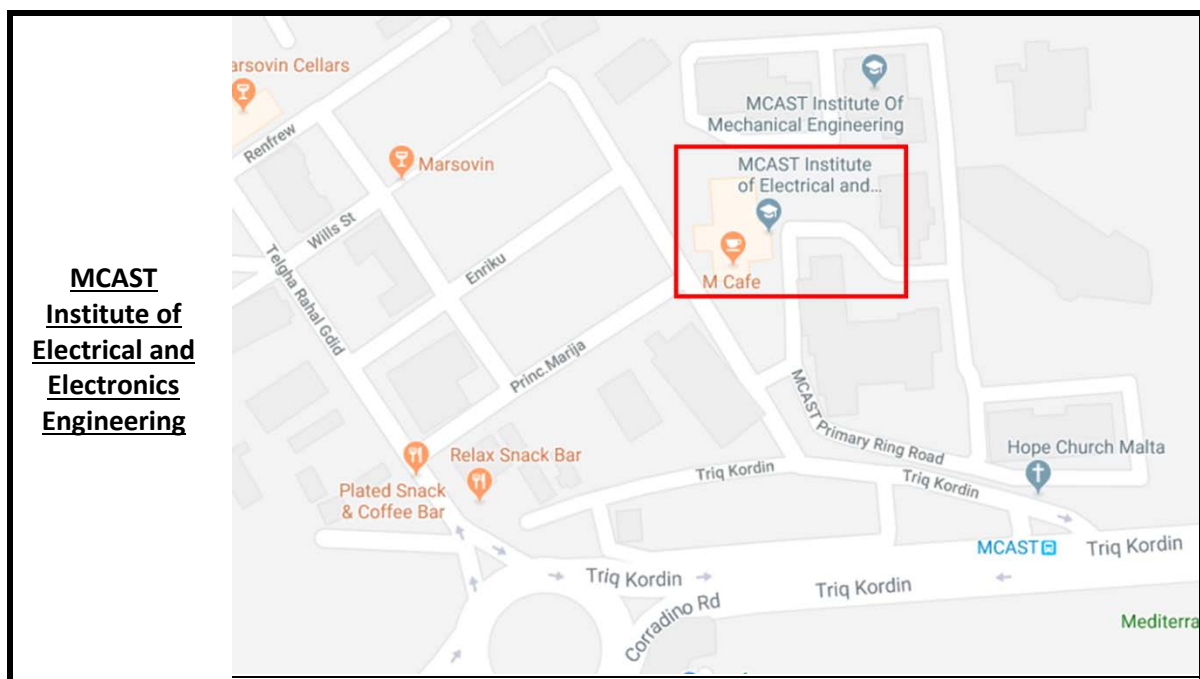
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