CYPRUS LOCAL NETWORK
The Institution of Engineering and Technology

CYBSE ELECTRICAL & ELECTRONICS ENGINEERS

INVITATION

PHOTOVOLTAICS TRILOGY HYBRID SEMINAR

Online Registration: https://forms.gle/HiDf333Ms8Rdx2w66

or via phone 22 250358 / 96 728283

(Free Registration for CYBSE or IET or ETEK members)

SEMINAR 1

"Digital tools for photovoltaic (PV) performance monitoring and fault diagnosis"

Tuesday, 12th of September 2023 | Time: 17:30 – 20:00

Room LRC-014, Library Building, University of Cyprus (New Campus)

Click here for directions to the library

Short description:

- Digital monitoring tools for assessing the performance of fielded PV systems.
- Open-source algorithms that can be used for fault detection and classification, performance loss quantification. Demonstration of applications and software algorithms.
- Digital twin concepts and decision entities for generating recommendations for optimized field operation and maintenance (O&M) activities.

Attendance Certificate will be provided to all participants

Networking event will follow after seminar

SEMINAR 2

"Fault diagnostics (with focus shed on soiling) and forecasting for monitored PV systems"

Wednesday, 13th of September 2023 | Time: 18:00 – 20:00

Room LRC-014, Library Building, University of Cyprus (New Campus)

Click here for directions to the library

Short description:

- General approach for detecting fault occurrences in PV systems (using both data and image analysis)
- Tools for monitoring and quantifying soiling losses in fielded PV systems.
- Optimum cleaning schedule for any PV plant to maximize its performance and limit O&M costs.
- Forecasting the PV generation.

Attendance Certificate will be provided to all participants

Networking event will follow after seminar

SEMINAR 3

"PV system designer and installer"

Thursday, 14th of September 2023 | Time: 17:30 – 20:00

Room LRC-014, Library Building, University of Cyprus (New Campus)

Click here for directions to the library

Short description:

- Theoretical and practical background for the design and installation of PV systems.
- Initial site assessment of the installation area, system design, installation and basics of commissioning, maintaining and troubleshooting PV systems.
- The rules for good practice.

Attendance Certificate will be provided to all participants

Networking event will follow after seminar

Instructor: Andreas Livera (PhD), Electrical Engineer

Dr Andreas Livera received his BSc and PhD in Electrical Engineering from the University of Cyprus (UCY) in 2015 and 2022, respectively. Andreas was also awarded a scholarship from Cyprus State Scholarships Foundation for master's studies in Sustainable Energy Futures at Imperial College London (UK) in 2016. During his studies, he was awarded several prestigious awards (Technical Chamber of Cyprus Engineering Award 2020 - given to one engineer in Cyprus every three years) and grants (2022 PRE-SEED by Research and Innovation Foundation of Cyprus and ITC conference grant by the COST Action 2019).

He has been working as a researcher at the UCY since 2017 in the field of fault diagnostics for photovoltaic (PV) systems. He has a deep knowledge of machine learning principles, and his research interests lie in studying and improving solar system's performance and reliability through the development of image processing and data-driven software algorithms.

He has authored and co-authored more than thirty publications in the field of PV, resulting in 662 citations and an h-index of 12 according to Google Scholar (July 2023). He is also a member of the Technical Chamber of Cyprus and of the Electromechanical Chamber of Cyprus and a certified PV installer and designer.