2025 European PVPMC Workshop Program (v15)

Day 0		**Tuesday, October 28, 2025**		
18:00	**Welcome Reception, Adams Hotel, Ayia Napa, Cyprus**			
Site:	**Adams Hotel, Ayia Napa, Cyprus**		**Address: Nissi Ave 87**	
Day 1		**Wednesday, October 29, 2025**		
8:00	1:00	Registration & Check-in		
9:00	0:10	Welcome from Hosts	George E. Georgiou Venizelos Efthymiou	University of Cyprus EPL Technology Frontiers Ltd
9:10	0:20	Keynote: AI + digitalization driving the intelligence of energy grids for improved operational efficiencies	Mr. Demetris Skourides	National Chief Scientist for Research, Innovation and Technology of the Republic of Cyprus
Session 1a		**PV Performance Modeling**	**Chair: Leonardo Micheli**	Sapienza University of Rome
9:30	0:15	Performance and Financial Analysis of Horizontal Single Axis Tracker Systems in Emerging European Market	Shrey Bhatnagar	Nextracker Inc.
9:45	0:15	Scalable Simulation of Complex PV Energy Systems Using Smart Ray Tracing	Marek Minda	Solargis
10:00	0:15	Accelerating Precision: Making Ray Tracing Affordable in SolarOPS for Complex PV System Modeling	Thomas Gazzola*	TotalEnergies
10:15	**0:45**	**Networking Break**		
Session 1b		**PV Performance Modeling Continued**	**Chair: Mandy Lewis**	Enurgen
11:00	0:15	Updates and Future Developments in PVsyst	Bruno Wittmer	PVsyst SA
11:15	0:15	Constructing and Validating pvlib Model Chains for Accurate Site-Specific PV Simulation	Thore Müller	PVRADAR Labs GmbH
11:30	0:15	Addressing radiative loss in thermal analysis of PV systems	Solomon Freer	PV Lighthouse
11:45	0:30	Q&A		
Session 2		**Beyond the Dashboard: Driving Value Through Data, Analytics & Transparency in PV Operations**	**Chair: Constantinos Peonides**	MEGGIT
12:15	0:45	Roundtable discussion with:	Ivo Stroeken	DuConcepts
			Jorn Hackbarth	Ampyr Solar Europe
			Rob Andrews	Engramiq
			Nir Shadmi	Contel
13:00	**1:00**	**Lunch**		
Session 3		**Poster Session**		
14:00	1:30	Poster Session + Networking		
Session 4		**Tracker Losses and Modeling**	**Chair: Sharifa Dunn**	Nextracker Inc.
15:30	0:15	Detection and quantification of tracker losses in utility scale solar power plants	Andreas Wabbes	ENGIE
15:45	0:15	Tracker losses: quantifying the effect of stuck and misaligned trackers using operational data	Steven Chen	GreenPowerMonitor, a DNV Company
16:00	0:15	Custom 3D backtracking analysis in complex terrain using SolarFarmer	Luca Vignoni	DNV
16:15	0:15	Q&A		
16:30	**2:00**	**Break**		
18:30	**3:30**	**Leave hotel by bus for Taverna Mousikos for dinner reception**	**Kyriakou Matsi 6, Sotira 5390, Cyprus**	
22:00		**Return to hotel**		

Day 2		Thursday October 30, 2025		
8:30	0:30	Registration & Check-in		
Session 5		**PV Plant Diagnostics**	**Chair: Elise Hoffman**	Engramiq
9:00	0:15	Invisible Losses in Large PV Sites: Analytics Reveal Up to 15% Energy Loss from Undetected DC Issues	Ricardo Bento Alves	Lightsource bp
9:15	0:15	Analysis of Efficiency Losses in Photovoltaic Inverters Using Operational Data	Stephanie Malik	Fraunhofer CSP
9:30	0:15	Losses decomposition: an advanced diagnosis to optimize O&M activities	Jérémie Aimé	The French Alternative Energies and Atomic Energy Commission (CEA)
9:45	0:15	Advanced Detection of Anomalies: Synergy Between Monitoring Data and Aerial Inspections	Maitheli Nikam	3E
10:00	0:20	Q&A		
10:20	**0:45**	**Networking Break**		
Session 6		**Curtailment, BESS and Grid Constraints**	**Chair: Thore Müller**	PVRADAR Labs GmbH
11:05	0:15	Increasing the grid capacity for solar PV through remote sensing	Johan Lindahl	Becquerel Sweden AB
11:20	0:15	Magnitude and Economic Impact of PV Curtailment, and Possible Implications for Soiling Mitigation	Leonardo Micheli	Sapienza University of Rome
11:35	0:15	Hierarchy of Losses in Performance Analysis, Applied to Curtailment	Karel De Brabandere	3E
11:50	0:15	Simulating PV Systems with BESS Using Dynamic Curtailment and Power-Shifting Dispatch Strategies	Auriane Canesse	PVsyst SA
12:05	0:15	The Hidden Losses and Impacts Behind Grid Constraints	Spyros Theocharides	Univers SAS
12:20	0:25	Q&A		
12:45	**1:00**	**Lunch Break**		
Session 7		**Predictive Analytics**	**Chair: George Makrides**	Phaethon Centre of Excellence
13:45	0:15	From Forecast to Action: Enabling Predictive O&M Through Weather-Driven PV Performance Analytics	Spyros Theocharides	Univers SAS
14:00	0:15	Forecast-based predictive analytics and operational control for utility-scale photovoltaic power plants	Andreas Livera	University of Cyprus
14:15	0:15	Deep SVDD-Driven Anomaly Detection and Multiclass Classification for Predictive Maintenance of Photovoltaic Systems	Imane Flouchi	Ibn Zohr University
14:30	0:15	Q&A		
14:45	**0:45**	**Break**		
Session 8		**Planning and Operational Challenges for Managing Efficiently PV Dominated Integrated Systems**	**Chair: Venizelos Efthymiou**	EPL Technology Frontiers Ltd
15:30	0:12	Transmission intelligence for managing efficiently PV dominated systems	Costas Stasopoulos	Transmission System Owner Cyprus
15:42	0:12	Planning and operating challenges for managing efficiently a PV dominated Distribution System	Phivos Therapontos	Distribution System Operator Cyprus
15:54	0:12	Inteligently optimizing energy portfolios to meet operational needs	Sotiris Kyprianou	EPL Technology Frontiers Ltd
16:06	0:25	Moderated Discussion with presenters of the session and panelist Christos Potamialis (ERGO Energy)	Venizelos Efthymiou	EPL Technology Frontiers Ltd
16:31	0:09	Wrap up Comments	Venizelos Efthymiou	EPL Technology Frontiers Ltd
16:40		**End of Workshop**		

Day 3		Friday October 31, 2025
		Technical and cultural tour
9:00	3:00	Departure from Adams Hotel to Phaethon Centre of Excellence, Nicosia
12:00	2:00	Lunch in Nicosia
14:00		Arrival back in Ayia Napa

	Poster Presentations		
1	Blind Validation of PVRADAR's soiling model with data from 9 sites across the USA	Guillaume Masson*	TotalEnergies
2	Performance Assessment of PV Plants Operating with Dynamic Power Factor	Kevin Felipe Visbal Pinzon	ICREA
3	Irradiance Forecast: An Innovative Solution for Torrid regions	Juan Sebastian Conejo Piraquive	ICREA
4	Progression of Microcracks in Stored Photovoltaic Modules: Insights from Electroluminescence Analysis	Yasmine El Mrabet	Green Enegy Park
5	Quantifying the Impact of Quality Control on PV Applications	Marketa Hulik Jansova	Solargis s.r.o.
6	Operational Scheme for Detailed PV Simulation Results	Marek Minda	Solargis s.r.o.
7	Innovative Gap Filling Methods for Enhanced PV Systems Monitoring and Data Integrity	Said Elhamaoui*	Green Energy Park - University Hassan II Casablanca
8	Physics-informed graph neural network for accurate predictions, anomaly classification and long-term degradation insights of solar PV systems	Srijani Mukherjee	Institut National de l'Énergie Solaire (INES), France
9	Experimental and Statistical Investigation of Flip Container Incident Induced Defects in PV Modules Using EL and Visual Inspection	Yasmine El Mrabet	Green Energy Park
10	Impact of PV modules degradation on inverter clipping losses	Jozef Rusnak	Solargis s.r.o.
11	How complex are satellite-based irradiation data?	Karel De Brabandere	3E
12	High spatial- and temporal-resolution solar performance modeling and comparison to field measurements	Trevor Coathup and Mandy Lewis	Enurgen
13	Soiling assessment and cleaning decision for photovoltaic feasibility project: a case study on a mining site in Morocco	Mounir Abriam	Green Energy Park