



SAFE 2024 – PALERMO 2-4 OCTOBER- BOTANIC GARDEN - SCIENTIFIC AND SOCIAL PROGRAM					
TIME	WEDNESDAY 2	TIME	THURSDAY 3	TIME	FRIDAY 4
09,00-09,30	WELCOME SESSION Prof. M. Midiri (Rector UNIPA) Prof. A. Pace (Delegate UNIPA)		SESSION IV Photovoltaic integration II CHAIR MARCO CANNAS		NEST SESSION CHAIR MAURIZIO CELLURA
	SESSION I Solar cells and PV modules CHAIR MAURIZIO CELLURA MARIO TUCCI	09,00-09,20	Leonardo Micheli, Università la Sapienza: Soiling of Photovoltaic Systems in the Era of High PV Penetration: Impact and Mitigation Strategies	09,00-09,30	Talk WP.1.1
9,30-09,50	Ivan Gordon, IMEC: Innovative high-performance crystalline-silicon solar cells: State-of-the-art and future challenges	09,20-09,40	Cristina Cornaro, Università di Tor Vergata, Titolo provvisorio "Modelling performance in AgriPV systems"	09,30-10,00	Talk WP.1.2
09,50-10,10	Nicole Barrantes, Universita' di Padova: LBIC analysis of heterojunction Silicon solar cells for photocurrent mapping and surface recombination detection	09,40-10,00	Girolamo di Francia, ENEA: Robotics for PV Large Utility Visual Inspection	10,00- 10,30	Talk WP.1.3
10,10-10,30	Salvatore Antonino Lombardo, CNR-IMM: Bifacial photovoltaics, four-terminal systems, and their coupling: modeling and data	10,00-10,20	Salvatore Fabozzi Modeling of Multienergy Polygeneration Hybrid System for the Control Strategies of the Smart Microgrid at the ENEA Research Center in Portici	10,30-11-00	Talk WP.1.4
10,30-10,50	Mario Tucci, ENEA: Selective contacts by evaporation process for heterojunction solar cell	10,20-10,40	Antonino Alessi Ecole Polytechnique - Palaiseau: Solar cells in space environment		
10,50-11,20	Coffe Break	10,40-11,20	Coffe Break	11,00-11-30	Coffe Break
	SESSION II Solar systems sustainability CHAIR MAURIZIO CELLURA		SESSION V Innovative Materials for Photovoltaic CHAIR MICHELE SABA		NEST SESSION CHAIR MAURIZIO CELLURA
11,20-11,40	Massimo Izzi, ENEA: PHOTORAMA, a new European methodology route to recover and recycle the components from End-of-life PV modules	11,20-11,40	Alessandro Mattoni , CNR-IOM : Classical Molecular Dynamics Simulations of Hybrid Perovskites: Towards the Modeling of Crystal Growth and Complex Interfaces	11,30-12,00	Talk WP.1.5
11,40-12,00	Teresa Maria Gulotta, Università di Messina: Life Cycle Thinking analysis of Unitized Regenerative Fuel Cells: from literature review to applicative key findings	11,40-12,00	Aurora Rizzo, CNR Nanotec: Engineering Perovskite materials from solution to solar cells	12,00-12-30	Talk WP.1.6
12,00-12,20	Sonia Longo Università di Palermo: Life cycle assessment of solar heating and cooling systems	12,00-12,20	Simone Barbarossa – UNIPA: The effects of cation mixing in optoelectronic properties of lead-free double perovskites for solar applications	12,30-13-00	Talk WP.1.7
12,20-12,40	Marina Mistretta Università Mediterranea di Reggio Calabria: High-resolution electricity generation mixes in net zero energy building	12,20-12,40	Erica Magliano – Tor Vergata: Two-Step Hybrid Perovskite Deposition: Organic Cations Interdiffusion through Spin-coating and Blade- coating for Tandem Applications	13,00-13,30	FINAL REMARKS
12,40-13,00	Quyen Lee Luu, Università di Palermo: Application of product environmental footprint method for life cycle assessment of concentrating solar technologies	12,40-13,00	Elisa Sani – CNR –INO Optimization approaches of Ultra-High Temperature Ceramics for new high-temperature solar absorbers ics for new high-temperature solar absorbers		
13,00-15,00	Lunch	13,00-15,00	Lunch	13,30-15,00	Lunch

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	SESSION III Photovoltaic Integration I CHAIR LAURA MATURI		SESSION VI Thermal and concentrated photovoltaic CHAIR ALESSANDRO GALIA		
15,00-15,20	Daniele Bricca, Università Sapienza di Roma: The dream of creating the first socially integrated factory in Italy	15,00-15,20	Francesca Fabris - Futurasan: How to bring photovoltaic module production back to Europe		
15,20-15,40	Gianfranco Modoni, CNR STIMA: BIPV designing by VR/AR and DT. The case of Parma Municipality administrative building	15,20-15,40	Marina Foti – 3SUN: 3SUN The First European PV Gigafactory: Enabling Progress with Sustainable Energy		
15,40-16,00	Roberto Speranza: Politecnico Torino: Integrated solar cells and supercapacitors for self-rechargeable power sources	15,40-16,00	Arianna Berto - Univ of Padova – Harvesting the solar energy by means of carbon nanofluids: a way to decarbonize heat in the building sector		
16,00-16,20	Francesco Guarino Università di Palermo: Towards implementation of the concept of Positive Energy Districts in the EU: state of the art and case-studies	16,00-16,20	Roberto Pagano, CNR-IMM: Titolo tentativo "Breakdown of silicon cells"		
16,20-16,40	Gabriella Gonnella, EURAC: Exploring Optical Properties and Assembly Techniques for IPV prototypes	16,20-16,40	Alberto Giaconia-ENEA: Integration of photovoltaic and concentrating solar technologies for high-efficient solar hydrogen production by high temperature water electrolysis		
16,40-17,00	Coffe Break	16,40-17,00	Coffe Break		
		17,00-18,00	VISIT TO BOTANIC GARDEN		
		20,30		SOCIAL DINNER RISTORANTE “ENOSTERIA SICULA” VIA TORREARSA 3	

Scientific Committee:	Organizing Committee:	Local Organizing Committee:	Supporting Committee:	
Simonpietro Agnello	Simonpietro Agnello	Simone Barbarossa	Arianna Berto	
Marco Cannas	Marco Cannas	Alessandro Biondi	Alessio Filippetti	
Maurizio Cellura	Massimo Izzi	Salvatore Ferruggia Bonura	Federica Pardo	
Walter Gaggioli		Vittorio Ferrara	Adriano Sacco	
Alessandro Galia		Anna Fricano	Elisa Sani	
Massimo Izzi		Najwa Hamdi		
Laura Maturi		Margherita Imburgia		
Matteo Meneghini		Le Quyen Luu		
David Moser				
Michele Saba				
Mario Tucci				



