

PV SOLAR SCHOOL - INTERNATIONAL WINTER SCHOOL 2025
Materials and technologies for solar energy: photovoltaics and thermal solar

	MON 10/02	TUE 11/02	WED 12/02	THU 13/02	FRI 14/02		
08:30	OPENING						
09:00	Ivan Gordon - IMEC Crystalline-Silicon solar cells: State-of-the-art and future challenges	Giulia Spaggiari -CNR Exploring antimony-based chalcogenides for more cost-effective thin film photovoltaics	Filippo Spertino - PoliTo Cooperative planning of photovoltaic and wind systems	Arianna Berto - Univ. of Padova Integration of PV-T modules in heat pumps for residential applications	Nicola Trivellin - Univ. of Padova Degradation studies on Perovskite solar cells and modules		
09:50	David Moser - EURAC The past, the present, and the future of solar PV O&M	Simona Binetti - PoliMi From CIGS to Kesterite: Advancements in Solar Cell Technology	Sonia Leva - PoliMi Experimental analysis of bifacial solar modules	Alessandro Galia - Univ. of Palermo The role of concentrating solar thermal technologies for the decarbonization of energy-intensive industries	Vanni Lughì - Univ. of Trieste Critical materials in photovoltaic technologies		
10:40	Fabrizio Bizzarri - ENEL Innovation in solar cell/module production	Alessandro Romeo - Univ. of Verona The Curious Case of CdTe solar cells: past, present, and future of the most successful PV thin film technology	Giovanni Spagnuolo - Univ. of Salerno On-site diagnosis of PV modules	Mark Rossetto - MRP Energy 20 years of PV technology evolution and PV plants diagnostics	Francesco Sgarbossa - Univ. of Padova Innovative doping process for new high efficiency Si solar cells architectures		
11:30	BREAK						
12:00	Gianluca Coletti - Futurasun Large-scale Solar Cell Manufacturing	Iacopo Benesperi - Univ. of Torino Photovoltaic technologies for indoor applications	4 STUDENT TALKS (8+2 minutes each)		4 STUDENT TALKS (8+2 minutes each)		
12:50	LUNCH BREAK		STUDENT NETWORKING ACTIVITY	LUNCH BREAK			
14:00	Mario Tucci - ENEA Heterojunction vs TopCON, who is the best?	Ivan Gordon - IMEC Technology development alone is not enough to reach the climate goals: why policies and lobbying matter		DISSEMINATION EVENT EU PROJECT NEST (open to all registered attendees)			
14:50	Matteo Meneghini - Univ. of Padova Case Studies in Solar Cell Reliability	Carlos Meza - HS-ANHALT Green Hydrogen production using photovoltaics: A Power-Flow Modeling and Techno-Economic Analysis				STUDENT NETWORKING ACTIVITY	
15:40	Marco Balucani - RISE TECHNOLOGY Metallization of solar cells and the associated interconnection of modules: Where we came from and where we are going.	Simon Tornes - Univ. of Rome TV Machine Learning in Photovoltaics research					
16:30	BREAK			NETWORKING APERITIF			
17:00	6 STUDENT TALKS (8+2 minutes each)		6 STUDENT TALKS (8+2 minutes each)				
18:15	END OF SESSION		SOCIAL DINNER				
TDB							