



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



DIPARTIMENTO  
DI INGEGNERIA  
DELL'INFORMAZIONE

## PV SOLAR SCHOOL - INTERNATIONAL WINTER SCHOOL 2026

### Innovation in Photovoltaics: from Emerging Technologies to System-Level Aspects



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	MON 02/02	TUE 03/02	WED 04/02	THU 05/02	FRI 06/02	
08:30	OPENING - Matteo Meneghini (School Director)					
09:00	Ivan Gordon - IMEC Advancements in Solar Cell Technology	Olindo Isabella - TU Delft Modelling and experiments related to advanced c-Si solar cells (for single-junction and bottom cell applications)	Nicola Trivellin - UNIPD Perovskite cells and modules, from structure to reliability	David Moser - Becquerel Inst. A 2030 roadmap for automation	Lukas Koester - Eurac Research Advanced PV module characterisation: from lab to autonomous field inspection	08:30
10:00	Matteo Meneghini - UNIPD Will a solar plant live forever? Challenges in solar cell/module reliability	Francesco Pattini - CNR Alternative solutions for integrated PV	Patrizio Manganiello - UNI Hasselt Shade-tolerant PV modules	Giovanni Spagnuolo - UNISA On-site diagnosis of PV modules	Chiara Barretta - PCCL Polymeric encapsulants and backsheets: characteristics and their role in PV performance losses	09:30
11:00	BREAK	BREAK	BREAK	BREAK	BREAK	
11:30	ATTENDEES TALKS (15 minutes) 7 attendees	ATTENDEES TALKS (15 minutes) 7 attendees		Interactive Session USE OF AI IN INDUSTRY AND ACADEMIA: CHALLENGES AND PERSPECTIVES Panelists: Matteo Meneghini, Leonardo Micheli, David Moser Moderator: Nicola Trivellin	Massimo Izzi - ENEA Enabling Circularity in PV through advanced EoL Recycling for a Sustainable solar value chain	11:00
13:30	LUNCH BREAK	LUNCH BREAK		LUNCH BREAK	Gianluca Timò - RSE III-V based multijunction solar cells	12:00
14:30	Mario Tucci - ENEA Design of silicon based solar cell for high efficiency	Alessandro Romeo - UNIVR Thin films for high efficiency tandem solar cells		Leonardo Micheli - UNI Roma LS From Performance to Reliability: The Growing Risks of Extreme Weather on PV Systems	CLOSING CEREMONY AND AWARDS	13:00
15:30	Cosimo Gerardi - 3Sun Innovating for Gigawatt-Scale PV in Europe: Addressing Technology and Manufacturing Challenges	Claudia Barolo - UNITO Organic Materials in PV technologies: challenges and perspectives	NETWORKING ACTIVITY	Delfina Munoz - CEA - Liten Sustainable development of PV Technology		
16:30	BREAK	BREAK		BREAK	NETWORKING ACTIVITY	13:30
17:00	ATTENDEES TALKS (15 minutes) 4 attendees	ATTENDEES TALKS (15 minutes) 4 attendees		Aldo Di Carlo - UNI Roma TV Perovskite solar cells		
18:15	END OF SESSION	END OF SESSION		END OF SESSION		
19:30			SOCIAL DINNER			