



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



# 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	Claudia Barolo - UNITO Organic Materials in PV technologies: challenges and perspectives	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							
10:00	Cosimo Gerardi - 3Sun Innovating for Gigawatt-Scale PV in Europe: Addressing Technology and Manufacturing Challenges	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							
11:00	BREAK	BREAK	BREAK	BREAK	BREAK							
11:30	ATTENDEES TALKS (15 minutes) 7 attendees	ATTENDEES TALKS (15 minutes) 7 attendees	NETWORKING ACTIVITY	ATTENDEES TALKS (15 minutes) 7 attendees	Massimo Izzi - ENEA Enabling Circularity in PV through advanced EoL Recycling for a Sustainable solar value chain	Gianluca Timò - RSE III-V based multijunction solar cells	CLOSING CEREMONY AND AWARDS	NETWORKING ACTIVITY				
12:30												
13:00												
13:30	LUNCH BREAK	LUNCH BREAK	NETWORKING ACTIVITY	LUNCH BREAK	Leonardo Micheli - UNI Roma LS From Performance to Reliability: The Growing Risks of Extreme Weather on PV Systems	Delfina Munoz - CEA - Liten Sustainable development of PV Technology	CLOSING CEREMONY AND AWARDS	NETWORKING ACTIVITY				
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 of silicon solar cells		BREAK	Aldo Di Carlo - UNI Roma TV Perovskite solar cells	CLOSING CEREMONY AND AWARDS						
15:30	Matteo Meneghini - UNIPD Degradation of silicon solar cells	Olindo Isabella - TU Delft Modelling and experiments related to advanced c-Si solar cells (for single-junction and bottom cell applications)		END OF SESSION								
16:30	BREAK	BREAK										
17:00	ATTENDEES TALKS (15 minutes) 4 attendees	ATTENDEES TALKS (15 minutes) 4 attendees	SOCIAL DINNER	END OF SESSION	Aldo Di Carlo - UNI Roma TV Perovskite solar cells	CLOSING CEREMONY AND AWARDS	NETWORKING ACTIVITY					
18:00												
18:15	END OF SESSION	END OF SESSION										
19:30			SOCIAL DINNER									