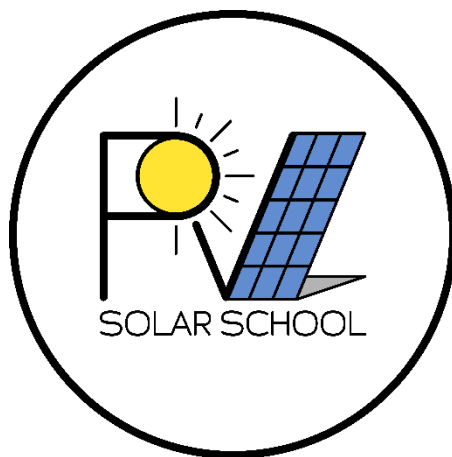
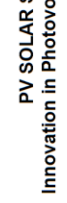




**PV SOLAR SCHOOL
INTERNATIONAL WINTER SCHOOL
INNOVATION IN PHOTOVOLTAICS: FROM EMERGING
TECHNOLOGIES TO SYSTEM-LEVEL ASPECT**

**Casa della Gioventù, Via Rio Bianco 12,
BRIXEN – BRESSANONE (BZ)
FEBRUARY 2-6, 2026**





PV SOLAR SCHOOL - INTERNATIONAL WINTER SCHOOL 2026
Innovation in Photovoltaics: from Emerging Technologies to System-Level Aspects

	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
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
11:00	BREAK	BREAK	BREAK	BREAK	BREAK
11:30	ATTENDEES TALKS (15 minutes) 7 attendees	ATTENDEES TALKS (15 minutes) 7 attendees	NETWORKING ACTIVITY	Interactive Session USE OF AI IN INDUSTRY AND ACADEMIA: CHALLENGES AND PERSPECTIVES Panelists: Matteo Meneghini, Leonardo Micheli, David Moser Moderator: Nicola Trivellin	Massimo Izzl - ENEA Enabling Circularity in PV through advanced EoL Recycling for a Sustainable solar value chain
13:30	LUNCH BREAK	LUNCH BREAK		LUNCH BREAK	
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	
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		Delfina Munoz - CEA - Liten Sustainable development of PV Technology	
16:30	BREAK	BREAK	SOCIAL DINNER	BREAK	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	NETWORKING ACTIVITY
18:15	END OF SESSION	END OF SESSION		END OF SESSION	
19:30					

MON 02/02		TUE 03/02	
11:30	MARCO MEMMINGER PV Prototyping Lab: activities at Eurac Research	11:30	TOMMASO MICHELON Development of measurement systems for photovoltaic devices
11:45	DANIELA LAGANA* Innovation for Decarbonization: Applied Research at the ABITaLab dAeD Laboratory for Advanced Design Towards Ecological and Digital Transition for Climate Change	11:45	TOBIAS KOMPATSCHER Development of an LED based device to measure EQE
12:00	STEFANO NEJROTTI Bridging CNR and Turin University for sustainable materials in energy production	12:00	LEONARDO MARTIN Solar Panel Integration for Off-Grid Energy Management in Wolf-Livestock Conflict Mitigation
12:15	PARSA ELAHI MOF Lab Unito	12:15	EDOARDO CELI Laboratory Activities and Experimental Methods for the Development of Vehicle-Integrated Photovoltaic Systems
12:30	ROSA ZAIGOUCHE-FELDIS Modeling light scattering in the front materials of modules using a radiometric approach	12:30	MARIALUCIA D'ADDIO Evaporated Perovskite Solar Cells - Hybrid Method
12:45	ALVARO DE GRUITER BIPV Curtain Wall and Facade Cladding designs, reliability and performance	12:45	NOAH TORMENA Reliability of semi-transparent perovskite mini-modules for BIPV
13:00	GABRIELLA GONNELLA Degradation Assessment of Colored BIPV Modules	13:00	LORENZO CIUCCI PVK for Silicon Tandem Applications: 4-Terminal Architecture
13:15	Discussion & Interaction	13:15	Discussion & Interaction
13:30	LUNCH BREAK	13:30	LUNCH BREAK
14:30	Mario Tucci - ENEA Design of silicon based solar cell for high efficiency	14:30	Alessandro Romeo - UNIVR Thin films for high efficiency tandem solar cells
15:30	Cosimo Gerardi - 3Sun Innovating for Gigawatt-Scale PV in Europe: Addressing Technology and Manufacturing Challenges	15:30	Claudia Barolo - UNITO Organic Materials in PV technologies: challenges and perspectives
16:30	BREAK	16:30	SAIF ALI Wide Bandgap Semitransparent perovskite solar cells for CIGS/PVK Tandems
17:00	PAOLA JAKUZA Flexible PV Mini-Modules Based on IBC Solar Cells: Performance and Reliability Analysis	16:45	BREAK
17:15	FABRIZIO LOVISETTI Investigating the degradation of SHJ solar cells under high-irradiance light soaking	17:15	END OF SESSION
17:30	GIANMARCO PUGGIONI Investigation of Pinholes Opening in Silicon Solar Cell Passivated Contacts Induced by Pulsed Laser Annealing		
17:45	BRAHIM ANIS BELFERKOUS Multi-scale Data-Driven Modeling for Predicting the Properties and Degradation Behavior of Polymers during Operational Lifetime of PV modules.		
18:00	Discussion & Interaction		
18:15	END OF SESSION		

Scientific Committee

Claudia Barolo (University of Torino), Simona Olga Binetti (University of Milano Bicocca), Paola Delli Veneri (University of Milano Bicocca), Aldo Di Carlo (CNR), Massimo Izzi (ENEA), Maturi Laura (Eurac Research), Massimo Mazzer (CNR), Matteo Meneghini (University of Padova), David Moser (Becquerel Institute), Alessandro Romeo (University of Verona), Giovanni Spagnuolo (University of Salerno), Mario Tucci (ENEA).

Local organizing committee from University of Padova

Matteo Meneghini (School Director), Nicola Trivellin, Carlo De Santi, Matteo Buffolo, Alessandro Caria, Marco Pilati, Paola Jakuza, Noah Tormena, Fabrizio Lovisetti.

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