



Integrated Photovoltaics Conference

Meet the Experts in
Photovoltaic Integration

Thursday 28th November 2024

Auditorium di Santa Apollonia

 via San Gallo, 25
Firenze



ipv-conference.com

Organised by **etaflorence** * **renewableenergies**

We look forward to welcoming you in Florence



Auditorium Sant'Apollonia, via San Gallo 25, Florence.

The conference is free and open to all upon [registration](#).

*La partecipazione al Convegno prevede il riconoscimento di 4 CFP della Fondazione Architetti Firenze.
Per maggiori informazioni scrivere a info@ipv-conference.com*

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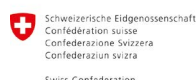
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Main Auditorium

08:15	Badge pick-up	
09:00	Welcome and Opening Remarks	
09:30	BIPV in the Construction Sector: Advancing Beyond the Current State of Play	
10:45	Coffee break	
10:55	Innovative approaches in solar architecture: Harmonizing aesthetics and functionality in BIPV	Sala Poggetti
11:35	European Industry Actors in BIPV: Solutions, challenges, and the path forward	 Dalle aree non idonee alla pianificazione paesaggistica regionale: una sfida per i sistemi agrivoltaici in Toscana
12:45	Lunch break	Pranzo
13:45	Agrivoltaics: Transitioning from demonstration projects to utility-scale systems	 Esperienze e sfide per il BIPV in Italia
14:50	Advancing integrated PV in Europe: short presentations from the "Call for Projects" - Part 1	
15:50	Coffee break	
16:00	Advancing integrated PV in Europe: short presentations from the "Call for Projects" - Part 2	
17:15	Closing session	
17:35		

Programme *Status of 30 Oct 2024*

Main Auditorium

08:15 - 9:00 Badge collection

09:00 – 09:30 Welcome and opening remarks

Giulio Poggiaroni, ETA-Florence

Pierluigi Bonomo, SUPSI

Welcome and Introduction to the Conference and the EU Solar Buildings Platform

Address by Authorities

Maria Getsiou, European Commission, Directorate General for Research and Innovation

Institutional message

Daniel Valencia Caballero, Tecnalia

Overview of the four IPV sectors: buildings, agriculture, infrastructures, vehicles

09:30 - 10:45 BIPV for the construction sector: action points beyond the state of play

Emerging trends and future directions in solar architecture

Key challenges to market expansion

Strengthening collaboration among developers, architects, engineers, and policymakers

Upskilling for the renovation wave

Moderated by

Spyros Mathioudakis, European Builders Confederation

Speakers

Clare Morin, Solarpower Europe

Stephanè Garson, Akuo & Sunstyle

Michela Barosio, European Association for Architectural Education-EAAE

Dieter Moor, Arconsol

Jean-Didier Steenackers, Sunsoak

10:45-10:55 Coffee break

10:55 - 11:35 Empathic architecture: a bond between sustainability and beauty

Lori Zillante, MCA – Mario Cucinella Architects, will deliver a keynote on the evolving link between sustainability and beauty in architecture, emphasizing solar photovoltaic (PV) integration.

By incorporating PV as a design element, solar tech can enhance both form and function. The talk will outline MCA's vision for sustainable architecture, highlighting examples of how PV and other green technologies can integrate seamlessly into building design as part of the whole architectural concept.

Introduction

Pierluigi Bonomo, SUPSI

Keynote

Lori Zillante, Architect & Engineer, R&D Unit Manager - MCA-Mario Cucinella Architects

**11:35 - 12:45 European Industry Leaders in BIPV:
Solutions, Challenges, and the Path Forward**

In this session, we will highlight key market trends and data in the BIPV sector. This overview will be followed by presentations from three prominent European industry leaders, who will share their solutions, experiences, and perspectives on the challenges currently facing the BIPV industry and discuss potential paths forward.

Moderated byPhilippe Macè, Bequerel Institute
Lara Morandotti, PV Magazine**Speakers**Kai Buntrock, Autarq GmbH
Marcus Bäckmann, 3S-Swiss Solar Solutions
Werther Cambreu, Tecnalía**12:45 - 13:45 Lunch****13:45 - 14:45 Agrivoltaics: transitioning from demonstration projects to
utility-scale systems**

Experiences of agrivoltaics across Europe, the synergy between energy generation, food production and landscape protection

Moderated by

Paolo Picchi, ETA-Florence

SpeakersAngelo Pignatelli, Symbiosyst project
Arturo Ramos Fuente, Sun'Agri
Jerome Lintz, Next2Sun**14:50 - 15:50 Advancing Integrated PV in Europe: Project Highlights from the
'Call for Projects' - Part 1****Moderated by**

Heinz Ossenbrink, ETA-Florence, Former European Commission JRC

Presentations organized by Theme**Agrivoltaics**Mariangela Latino, CNR
Innovative bifacial agrivoltaics for Urban systems
Selçuk Yerci, Center for Solar Energy Research and Applications
PV4PLANTS project**Built environment**

Nicola Baggio, Futura Sun
Colored photovoltaic modules for highly integrated project

Paulius Laurikėnas, Solitek R&D
Solitek PV noise barriers pilot project, performance and cost evaluation

Wilfried van Sark, Utrecht University
BIPV in the Inside Out project, a plus energy retrofit of a high-rise apartment building

Claire Morin, SolarPower Europe
INCREASE project

Resource efficiency

Alessandro Virtuani, CSEM
Carbon intensity of BIPV

Florian Ollagnon, EPFL
Colouring solutions for BIPV

Akexa Lutzenberg, INIW
Resource efficiency with BIPV in construction

15:50-16:00 Coffe break

16:00-17:15 Advancing Integrated PV in Europe: Project Highlights from the 'Call for Projects' - Part 2

Moderated by
Heinz Ossenbrink, ETA-Florence, Former European Commission JRC

Components

Fabrizio Leonforte, Politecnico di Milano
Building-integrated photovoltaics in existing buildings: a novel PV roofing system

Chiara Bedon, University of Trieste
Challenges and gaps in modelling the thermo-mechanical performance of glass-glass BIPV modules exposed to fire accidents

Rainer Grischke, Meyer Burger
Meyer burger solar roof tile with SHJ tunnel-IBC cell technology

Hossein Ebadi, Politecnico di Milano
ATTRACT project

Rafael Pardo Lloría, Flexbrick
Prefabricated big format BIPV flexible ceramic panels for architectural envelopes

César Dominguez, Instituto de Energia Solar
A semi-translucent building-integrated PV module based on integrated tracking micro-concentration providing high power density and daylight management

John Morello, Freesuns
Solar roof tiles for a seamless integration of BIPV into heritage and listed buildings

Modelling

Massimo Plazzer, Province of Trento

3D Solar: large-scale and detailed estimation of the photovoltaic energy potential of the Trentino Province available on the public webgis

Chen Jiawei, Politecnico di Milano

Development of a large-scale digital twin model for predicting crop yield in agrivoltaic systems: a case study in Lombardy, Italy

Bruno Bueno, Fraunhofer & Saptak Ghosh, CSTEP

Potential assessment of building integrated photovoltaics in India

17:15-17:35 Closing session

Survey on Barrier Mapping for Integrated Photovoltaics

The EU Solar Building Platform: Mission, Members, and Future Initiatives

Conclusions and farewell

Speakers

Giulio Poggiaroni, ETA-Florence

Pierluigi Bonomo, SUPSI

■ ■ Programma, sessioni in italiano

Sala Poggetti

In parallelo alle sessioni in inglese in Auditorium, si terranno due sessioni in italiano nella sala Poggetti.

11:45 - 12:45 Dalle aree non idonee alla pianificazione paesaggistica regionale: una sfida per i sistemi agrivoltaici in Toscana

Le regioni italiane stanno ancora recependo gli ultimi aggiornamenti legislativi sull'agrivoltaico e aggiornando il loro quadro normativo, tra loro anche la Toscana. L'agrivoltaico comincia ad apparire come strumento per le aziende agricole, ciò nonostante non è sempre inquadrato come elemento detrattivo del paesaggio.

Alla luce della Convenzione dell'Europa per il paesaggio, siglata a Firenze nel 2000, obiettivo dell'evento è aprire spunti di riflessione sui sistemi agrivoltaici quali strumenti utili alle aziende agricole e con ricadute positive per gli obiettivi di qualità paesaggistica definiti dal PIT della Regione Toscana.

Quando i sistemi agrivoltaici entreranno nella pianificazione paesaggistica regionale?

Moderato da

Paolo Picchi, ETA-Florence

Interverranno

Assessorato all'Agricoltura, Regione Toscana

DIDA Dipartimento di Architettura Unifi, socio AIAPP

Rappresentanti associazioni di categoria e aziende

13:45 - 14:45 Esperienze e sfide per il BIPV in Italia

Il fotovoltaico integrato negli edifici è una grande opportunità per il nostro paese di raggiungere gli obiettivi fissati nel PNIEC nonché i più ambiziosi obiettivi europei al 2050.

Il patrimonio immobile italiano può contribuire significativamente in tal senso, per questo motivo aziende produttrici, architetti, aziende dell'edilizia e decisori pubblici devono unire le forze verso una progettazione condivisa.

In questa sessione racconteremo varie esperienze, di attori diversi, nel settore BIPV in Italia alimentando poi una discussione tra i partecipanti sulle barriere e le opportunità per lo sviluppo di questo settore.

Moderato da

Lara Morandotti, PV Magazine

Interverranno

Laura Maturi, EURAC Research

Casa spa

Claudio Pirotta, PIZ srl

Cooperativa GFF (ex GKN)

CNA e Confartigianato