



# Shaping the future of photovoltaics

The European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC) is one of the most prestigious events in the renewable energy sector. As we gear up for the EU PVSEC 2023, we highlight why attending this influential conference is a must for industry professionals, researchers, and key players in the field of photovoltaics. Plus, we will delve into what you can expect from this eagerly anticipated event.



tackle the technical and societal obstacles associated with achieving the ambitious goal of deploying photovoltaics at a multi terawatt scale.

#### Engaging and thought provoking panel discussions

The scientific program of the EU PVSEC includes three fascinating panel discussions led by esteemed experts, each exploring highly relevant and compelling topics that captivate the audience's attention.

On Tuesday, the session titled 'Unlocking the PV Potential' delves into the crucial aspect of societal stakeholders' acceptance and involvement in photovoltaic (PV) energy. The discussion aims to identify the factors that can unlock the full potential of PV technology and drive its widespread adoption.

Wednesday the focus is on 'PV Manufacturing Ecosystem in Europe', which will examine the requirements and strategies necessary to spark a renaissance in the European solar industry. Experts will analyse and discuss the key steps needed to cultivate a thriving PV manufacturing sector in Europe.

Thursday's panel discussion, 'Securing a Diverse and Resilient Supply Chain,' tackles the critical issue of designing an optimal PV supply chain. The focus lies in accommodating the exponential growth in raw materials, production capacity, and PV manufacturing capabilities required to achieve a decarbonised energy system within the coming decades.

These thought-provoking panel discussions offer valuable insights and foster meaningful dialogue on pressing matters in the field of PV energy. Participants will have the opportunity to engage with leading experts and gain a deeper understanding of the challenges and opportunities that lie ahead in advancing solar energy technologies.

#### Opening highlights

With mounting excitement, the highly prestigious Becquerel Prize, honouring exceptional contributions in the field of photovoltaics, is eagerly anticipated in this year's Opening Session on Monday. Alongside this distinguished award ceremony, significant discussions will occur, featuring experts from the Intergovernmental Panel on Climate Change (IPCC), influential political leaders, and representatives from the research and industry sectors.

Key topics on the agenda encompass pressing questions about the role of photovoltaic modules in effectively mitigating climate change, the identification of suitable installation locations, and the determination of the most suitable manufacturing hubs. These discussions hold immense significance in shaping the future of sustainable energy and in combating the global climate crisis. Participants will

#### Cutting-edge research and innovation

The EU PVSEC serves as a prominent gathering, uniting esteemed researchers, engineers, and scientists worldwide. It offers an invaluable platform for presenting and discussing the most recent developments in photovoltaic technology. Participants have the opportunity to gain insights into groundbreaking research, novel concepts, and emerging trends that are shaping the future of solar energy. The event covers a wide array of topics, ranging from advanced materials and cell technologies to system integration and smart grids, making it a central hub for knowledge exchange and fostering intellectual growth in the field of photovoltaics.

#### Inspiring plenary sessions

As is tradition, a series of inspiring plenary sessions will take place throughout the conference week.

The Monday session will center around 'Sustainable Photovoltaics,' where experts will address recent advancements in photovoltaic technologies and examine how large-scale manufacturing affects the costs and environmental aspects of PV.

On Wednesday, the session called 'Multiple Aspects of PV Rollout' will encompass various subjects related to the widespread adoption of photovoltaics and the increasing deployment of PV worldwide. Furthermore, participants can anticipate a detailed exploration of 'Developments in Single and Multijunction Devices: Wafer and Thin Film Technologies' on the same day. This session will showcase the latest innovations and breakthroughs in solar cell technologies, with a specific focus on devices based on wafers and thin films.

Lastly, on Friday, the plenary session titled 'Enabling Multi Terawatt PV Deployment: Technical and Social Dimensions' will

engage in vital dialogues that can pave the way for transformative actions and advancements in the field of photovoltaics, thus contributing to a more sustainable and environmentally responsible world.

However, the event is not just a scientific conference; it is also a platform for policymakers and market analysts to discuss the regulatory frameworks, market trends, and future prospects of solar energy. Attending the conference enables you to stay informed on the latest policy developments, market forecasts, and industry insights. Understanding the broader context in which solar energy operates is essential for professionals looking to shape the sector and make informed decisions.

**Industry exhibition and industry summit**

In addition to the conference sessions, the EU PVSEC hosts a comprehensive exhibition where industry players showcase their latest products, services, and innovations. This exhibition provides a unique opportunity to explore cutting-edge technologies, interact with exhibitors, and gain hands-on experience with new solar energy solutions. From photovoltaic modules and inverters to energy storage systems and software applications, the exhibition offers a glimpse into the future of solar technology.

The Industry Summit, which will also take place within the event week, focuses specifically on the industrial aspects of PV technology, covering topics such as manufacturing processes, market trends, policy frameworks, and business strategies. The Summit plays a crucial role in accelerating the adoption of solar energy in Europe and beyond. By bringing together industry leaders from different parts of the supply chain, the summit facilitates knowledge sharing, encourages innovation, and helps shape the regulatory



landscape for a more sustainable and efficient solar industry.

**Networking opportunities**

The EU PVSEC acts as a meeting point for professionals across various sectors. By attending the event, you can connect with experts and key-stakeholders in the field, fostering valuable relationships and collaborations. Whether you're seeking potential partners for research projects, exploring investment opportunities, or simply looking to expand your professional network, the EU PVSEC offers unparalleled networking prospects.

**Education and training**

The EU PVSEC will host the second PV Academy, presenting valuable educational prospects to newcomers. Designed specifically for students, young researchers and professionals

new to the field of photovoltaics, it aims to bridge the knowledge gap and equip individuals with the skills and understanding necessary to thrive in the rapidly evolving world of solar PV. Through a range of engaging and interactive lectures, the PV Academy covers fundamental concepts of PV technologies and applications.

The expert speakers combine theoretical knowledge with practical insights so that the participants can gain real-life impressions. By empowering young researchers and newcomers with cutting-edge knowledge and skills, the PV Academy plays a vital role in fostering the next generation of PV professionals and driving the widespread adoption of solar energy.

**Join us in Lisbon**

The EU PVSEC 2023 provides an unparalleled platform for probing into the latest research, fostering valuable collaborations, and staying ahead in the rapidly evolving realm of solar energy.

With a strong emphasis on cutting-edge innovations, networking opportunities, market insights, and education, this event assures an enriching and unforgettable experience for all participants.

By participating in the EU PVSEC, you will position yourself at the forefront of shaping the future of solar energy. Your involvement will contribute significantly to building a sustainable and greener future, playing a pivotal role in advancing the global transition towards clean and renewable energy sources. This conference promises to empower attendees with knowledge, connections, and inspiration to make a positive impact in the solar energy landscape, thus propelling the world towards a more environmentally conscious and energy-efficient future.

🌐 [www.eupvsec.org](http://www.eupvsec.org)

