



EU PVSEC 2026

43rd European Photovoltaic Solar Energy
Conference and Exhibition

Rotterdam / Munich, July 2026

PRESS RELEASE

From Research to Industry: The Future of Solar at the EU PVSEC 2026 in Rotterdam

The 43rd edition of the European Photovoltaic Solar Energy Conference and Exhibition will take place from 14 to 18 September in Rotterdam, The Netherlands.

Over the course of five days, researchers, industry leaders and policymakers from across the globe come together to present the latest scientific advances, share insights, and discuss the future direction of solar energy. Far beyond a traditional conference, the EU PVSEC serves as a global platform for collaboration, knowledge exchange, and innovation, fostering progress throughout the entire photovoltaic value chain.

The 43rd EU PVSEC Opens with Visionary Programme Taking Centre Stage

The event opens with an inspiring programme that reflects the evolving role of photovoltaics at the heart of the energy transition. As solar power continues to become one of the world's fastest-growing energy sources, this year's Opening Session explores not only the latest technological breakthroughs but also the opportunities and challenges associated with integrating unprecedented amounts of PV into modern energy systems. Bringing together leading scientists, industry representatives, policymakers and energy stakeholders, the session sets the stage for a week of discussions on innovation, collaboration and the future of solar energy.

The plenary session, "PV in the Energy System", will examine the key developments shaping the next phase of photovoltaics, including large-scale grid integration, flexibility enablers, digitalisation, the growing interplay between artificial intelligence and PV, and the development of smart, resilient and intelligent energy systems.

The programme continues with the presentation of the Alexander Edmond Becquerel Prize, recognising Dr. Delfina Muñoz for her outstanding contribution to the advancement of photovoltaics and Europe's solar sector.

An impulse keynote by Prof. Dr. Peter Palensky on the topic will then introduce a high-level panel discussion entitled "Grid Congestion Management: Enabling the Next Phase of Solar PV Growth – The Dutch Perspective." Bringing together leading representatives from research, government, transmission and distribution system operators, and the Dutch solar industry, the panel will explore practical strategies to address one of the most pressing challenges facing the large-scale deployment of photovoltaics and discuss how flexibility, digital technologies and cross-sector collaboration can unlock the next phase of solar growth.



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Detailed Conference Programme Published

The EU PVSEC 2026 is picking up pace, with the complete programme now published online. With almost 1000 presentations in the Scientific section alone, this year's conference will continue to emphasise research and innovation across the entire PV value chain, structured around five core topics.

Silicon Materials and Cells will remain central, highlighting advances in high-efficiency silicon devices, novel cell architectures, manufacturing processes and cost reduction pathways. Thin Films and New Concepts will present the latest developments in perovskites, tandem solar cells and other emerging technologies that continue to push the boundaries of photovoltaic performance. Photovoltaic Modules will focus on reliability, durability, advanced manufacturing and quality assurance to further improve long-term performance. Within Systems Design and Operation, the programme will explore innovative applications such as Agri-PV, Building-Integrated PV (BIPV), Vehicle-Integrated PV (VIPV) and Floating PV, together with advances in system optimisation, digitalisation, AI, Hybrid PV solutions and O&M. Finally, Photovoltaics in the Energy Transition will highlight PV's increasing integration into smart and resilient energy systems, addressing grid integration, flexibility enablers, energy storage, sector coupling, sustainability, circularity, policy, markets and the wider societal and economic dimensions of the transition towards a carbon-neutral future.

Bringing Science, Industry and Innovation Together

Complementing the scientific programme, 21 Parallel Events organised jointly with partner organisations will provide in-depth perspectives on specialised topics spanning research, innovation, and policy. The Industry Forum will bring together experts to discuss key issues such as European PV manufacturing, international market developments, grid integration, and emerging technologies. Running alongside these sessions, from 14 – 16 September, the international exhibition will connect research and industry by showcasing the latest products and solutions from leading companies, offering a dynamic environment for networking, and establishing new business partnerships. Organisations wishing to participate at the exhibition are invited to enquire about the remaining exhibition opportunities and become part of this leading international platform.

Background EU PVSEC

The EU PVSEC is the world's leading forum for PV research and development and the biggest conference on PV solar energy. With a history of over 40 years, the EU PVSEC is the longest running, renowned PV conference in the world.

The scientific programme is coordinated by the European Commission Joint Research Centre.



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Banners for the press release can be found here:

[EU PVSEC 2026](#)

Contact Information:

For more information, contact

Mail: press@wip-munich.de

Phone: +49 (0)89 720 12 730

www.eupvsec.org