

# Smart Solar Power in Europe

*Solar power for a competitive European industry, multifunctional buildings and infrastructures, and smart energy systems*

Information exchange and brokerage event  
organised by



**16 May 2019**  
**Munich, Germany**  
**in the framework of Intersolar Europe**

## Organisers



SOLAR-ERA.NET is a network bringing together more than 20 RTD and innovation programmes in the field of solar electricity technologies in the European Research Area. The network of national and regional funding organizations has been established in order to increase transnational cooperation between RTD and innovation programmes and to contribute to achieving the objectives of the European Strategic Energy Technology Plan (SET Plan) through dedicated transnational activities. Find more information on [www.solar-era.net](http://www.solar-era.net).



**ERA-Net Smart Energy Systems (ERA-Net SES)** is a joint programming platform of owners and managers from 30 national and regional public funding programmes in the field of research, technical development and demonstration from 23 countries. It initiates and finances transnational RDD projects in thematic areas like smart power grids, regional and local energy systems, heating and cooling networks, digital services, etc. The platform is providing a knowledge community, where experts meet in workshops, webinars and on the tailor-made digital knowledge platform [expere](http://expere). In the knowledge community more than 30 projects closely cooperate with partners from industry, network and infrastructure providers, research and academia as well as regions and cities, dealing with technology, market and adoption. Together with associated partners from regional business and government, the start-up and SME sector, additional financiers and funders as well as ICT providers, the joint programming platform provides an innovation eco-system, building bridges in the whole innovation chain. Find more information on [www.eranet-smartenergysystems.eu](http://www.eranet-smartenergysystems.eu).

### In collaboration with:



## ***Why participate?***

SOLAR-ERA.NET and ERA-Net Smart Energy Systems will launch Joint Calls in autumn 2019. The event is an opportunity for the research and development community, industry representatives, investors and funding partners to meet and work together on transnational level and create added value on the topic of Smart Solar Power in Europe. The aim is to foster transnational cooperation with complementary skills, equipment and facilities, along the value chain from research to industry and to increase the reach out to the different markets in Europe and beyond. Both networks bring together R&D and innovation programmes across Europe and have so far supported some 100 transnational projects involving some 500 organisations in Europe. The event will feature a variety of interesting presentations and workshops on accelerating the transition to a smart and sustainable energy system with smart solar power in Europe. The event is a public side event at the Intersolar Europe (mandatory registration).

## ***What to expect?***

Register now for the event and

- Learn about the funding opportunities provided by SOLAR-ERA.NET and ERA-Net SES.
- Get insight into cornerstones of the EC Strategic Energy Technology Plan for solar power and smart energy systems and the new legal framework for Local Energy Communities.
- Exchange with potential project partners and representatives from national funding agencies.
- Explore topics and build new consortia in view of the upcoming Joint Calls.
- Identify success factors based on the experience and lessons learnt within projects supported by SOLAR-ERA.NET and ERA-Net SES.

## Programme of the Day

09:45 - 10:15 <sup>1</sup>	Registration and Welcome Coffee
<b>10:15 - 12:00</b>	<b>Plenary Session</b>
	<p>Session 1: Trends, opportunities and success factors for transnational cooperation and projects</p> <p>Session 2: Paving the way to innovative and successful transnational projects</p>
12:00 - 13:00	Light Lunch
<b>13:00 - 15:00</b>	<b>Parallel Workshops</b>
	<p>Workshop 1: Advanced industrial PV technologies / Emerging PV technologies</p> <p>Workshop 2: PV integration in buildings and infrastructures</p> <p>Workshop 3: Solar power in smart Local Energy Systems</p>
15:00 - 15:30	Coffee Break and B2B Meetings
<b>15:30 - 16:00</b>	<b>Conclusions of the Day</b>
Optionally	B2B meetings

<sup>1</sup> All scheduled times refer to CEST.

# ***Plenary Session 1: Trends, opportunities and success factors for transnational cooperation and projects***

Key note presentations by:

## **Christoph Hünnekes**

Head of Photovoltaics, Project Management Jülich, Germany; Chair of the Implementation Working Group PV to the PV Implementation Plan within the Integrated SET Plan

“SET Plan – Status and visions for successful transnational projects”

## **Wolfgang Hein on behalf of Peter Droege**

President, EUROSOLAR - European Association for Renewable Energy e.V.; Director, Liechtenstein Institute for Strategic Development

“Smart solar power - fast track to a renewable Europe”

## **Stefan Nowak**

Managing Director NET Nowak Energy & Technology, Switzerland; Coordinator of SOLAR-ERA.NET

“Success factors and opportunities with SOLAR-ERA.NET”

## **Ludwig Karg on behalf of Michael Hübner**

Ministry for Transport, Innovation and Technology, Austria; Chair of the Member States Working Group on Energy Systems and Networks for setting up the Implementation Plans within the Integrated SET Plan and Coordinator of ERA-Net Smart Energy Systems

“The Implementation Plan for SET-Plan Action 4 and the Joint Programming Platform ERA-Net Smart Energy Systems”

## ***Plenary Session 2: Paving the way to innovative and successful transnational projects***

Presentations with experiences and lessons learnt in concrete transnational projects and introduction to the workshop sessions by:

### **Stephan Abermann**

Head of Competence Unit Photovoltaic Systems, AIT Austrian Institute of Technology, Austria

### **Alejandro Perez-Rodriguez**

Head of Solar Energy Materials & Systems Group, IREC- Catalonia Institute for Energy Research, Spain

### **Pierre-Jean Alet**

Senior Expert  
PV-center, CSEM, Neuchâtel, Switzerland

### **Dieter Geyer**

Scientist and Project Manager, PV Modules Systems Applications, Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW), Germany

### **Bart Geerligs**

Senior scientist specialist, TNO, The Netherlands

### **Ludwig Karg**

B.A.U.M. Consult GmbH, Germany; ERA-Net SES Knowledge Community

## ***Parallel Workshop Sessions: Paving the way to innovative and successful transnational projects***

### **The general goals of the workshops are:**

- To identify and address key challenges for the three workshop areas.
- To identify and prioritize opportunities and the key challenges and synergies between the stakeholders.
- To exchange project ideas and identify key topics for the next joint calls.
- To develop project ideas and build consortia for potential proposals for ERA-NET calls.

**Your input and project ideas?** Please refer to the last page “How to register”.

**The focus** is on transnational cooperation / projects providing added value for a competitive European industry, multifunctional buildings and infrastructures and smart energy systems. The workshops are co-moderated by international experts from the relevant field. The workshop topics are based on the PV Implementation Plan according to the [SET Plan](#).

### **Workshop 1: Advanced industrial PV technologies / Emerging PV Technologies**

Advanced industrial PV technologies (manufacturing and products) will serve as differentiator for the European PV industry by means of significant efficiency benefits and better performance related to sustainability aspects and recyclability of modules.

## **Workshop 2: PV integration in buildings and infrastructures**

Manufacturing of PV modules as building materials can develop to a world-wide market with huge opportunities for the European industry. Driven by policies towards Zero-Energy Buildings and subsequently Plus Energy Buildings (PEB), design and innovation with new Building Integrated Photovoltaic (BIPV) materials and concepts and combinations of energy efficient building materials with BIPV become essential parts of the development strategies of both the PV sector and the building sector. This calls for a multidisciplinary research and development programme involving, among others, the PV manufacturing industry and the building materials industry as well as certification bodies. Breakthroughs in technology, applications and business models are required to transform today's BIPV niche market into a future mass market. The R&I activity on BIPV aims at developing a market pull approach for innovative and integrated PV solutions that will allow a faster market uptake of new PV technologies and a more intensive and multi-functional use of the available surface area in Europe, including quality and reliability. The topic also covers bifacial applications and PV installations on roads & waterways.

## **Workshop 3: Solar power in smart Local Energy Systems**

The combination of localized PV electricity, storage or local supply and demand management makes buildings the smallest unit of a smart grid of its own. Once the necessary technology and control mechanisms are developed, the step of linking multiple smart buildings will contribute to the widespread deployment of the smart technology. This requires the development of control systems for grid-feeding, self-consumption or local storage and standardization of the interoperability of such control systems. With its latest communications on "Energy Communities" the EC opens a whole bunch of organisational and business opportunities. The workshop will discuss how latest solar technology can enable such local and regional communities.

## Location

ICM-Internationales Congress Center München  
Am Messesee, 81829 München

<https://messe-muenchen.de/en/locations/messe-muenchen-locations/icm/data-facts/>

The access to the event is signposted from the main entrance on (see map below). Welcome and registration is in front of the plenary session room / Saal 11. Further workshop rooms are 21a and 21b.

ICM – Internationales Congress Center München  
1. OBERGESCHOSS



### How to get there?

Detailed information is available on the ICM website:

<https://messe-muenchen.de/en/meta/getting-there/>

## How to Register?

The access to and participation in the event is free of charge upon compulsory registration. Registration for our public event has now opened! The registration is open till **13 May 2019**. Due to a limited number of seats, a first-come-first-serve policy is in place for registrations.

**Please register for the event online here:**

[https://www.eranet-smartenergysystems.eu/register\\_event.asp?id=31](https://www.eranet-smartenergysystems.eu/register_event.asp?id=31)

Please find **more information:**

<http://www.solar-era.net/news-events/smart-solar-power-europe/>or:

<https://www.eranet-smartenergysystems.eu/Event/31/Smart-solar-power-Europe-in-the-framework-of-Intersolar-Europe.html>

The event can be entered without a ticket to the Intersolar Europe. Please note that in order to enter the **Intersolar Europe** separate registration and purchase of tickets is necessary. Please check the Intersolar Europe Website ([here](#)) for more information.

If you wish to **share your project ideas** for the workshops upfront, please fill in the template provided on <http://www.solar-era.net/news-events/smart-solar-power-europe/> and send it latest by 13 May 2019 to [era-energia@aei.gob.es](mailto:era-energia@aei.gob.es).

For any further information on the event, please **contact:**

Event organization	Event registration
Daniel Ruiz Iruela Fundación Española para la Ciencia y la Tecnología (FECYT), Agencia Estatal de Investigación AEI - Spain Email: <a href="mailto:era-energia@aei.gob.es">era-energia@aei.gob.es</a>	ERA-Net SES Support Team Email: <a href="mailto:knowledgecommunity@eranet-smartenergysystems.eu">knowledgecommunity@eranet-smartenergysystems.eu</a>