

# The 3rd International Integrated-PV Workshop

19 April, 2024 Haikou, China



Hybrid Sessions

Free Registration: [https://www.solarbeglobal.com/ipv\\_workshop2024/](https://www.solarbeglobal.com/ipv_workshop2024/)

## Integrated PV (IPV) — Overcoming space limits and land resource challenges

With a growing global consensus on environmental responsibility, the deployment of PV systems is on the rise. However, concerns have emerged regarding the land required for PV installations, questioning the feasibility of large-scale PV projects without compromising existing land functions, such as agriculture. This is especially pertinent in countries where prime lands are already equipped with PV systems, triggering discussions on land resource competition, particularly in nations with scarce or costly land resources.

At the 8th World Conference on Photovoltaic Energy Conversion (WCPEC-8) in September 2022, it was proposed that even in an extreme scenario with future comprehensive electrification and PV demand reaching approximately 60 TWp, IPV solutions, including Building-integrated PV (BIPV), Floating PV (FPV), Agrivoltaics, and Vehicle-integrated PV (VIPV), could meet this demand. IPV technology shows significant potential, marked by notable technological innovations in recent years.

Building on the success of the previous IPV Workshops, this year's event will spotlight innovative advancements in this emerging, swiftly evolving field. Topics encompass BIPV, FPV, Agrivoltaics, VIPV, and the use of Artificial Intelligence in PV development (AIPV). Industry and academic speakers will share state-of-the-art technologies, current trends, and future research needs, providing a comprehensive view of IPV technologies.

The workshop aims to facilitate interdisciplinary exchange, cross-disciplinary discussions, and industry-wide comprehension of IPV technologies. Additionally, it seeks to address “non-technical” challenges faced by IPV, including legal, regulatory, environmental, and societal acceptance issues.

Integrated PV is set to shine as the next “star” in the PV industry!

–Ning Xu, Chair of the 3rd IPV Workshop

# Program | Friday, April 19, 2024

CST  
Beijing Time

CEST  
Central European  
Summer Time

Moderator: Ke WANG			
09:00	03:00	Ning XU	Opening Introduction
Session 1		Floating PV	
09:20	03:20	Thomas Reindl SERIS	Latest Trends in Floating PV
09:40	03:40	Bin DU DAS Solar	Offshore PV Solutions
10:00	04:00	Qiao MENG Sungrow FPV	Floating Solar Overview -Challenges and Solutions
Session 2		BIPV	
10:20	04:20	Heng XIA Shenzhen University	Evolving the Pixel House prototype in the 3 climate zones of mainland of China
10:40	04:40	Coffee Break	
11:00	05:00	Duo LUO Trina Solar	Comprehensive Application of PV and Innovative Practices in BIPV to Boost Zero-Carbon Development
11:20	05:20	Jifei ZHANG Gain Solar	Technology and application of Building Integrated Photovoltaic(BIPV) in the field of green building
11:40	05:40	Larry ZHAO GoodWe	Scenarios analysis for BIPV solutions
12:00	06:00	Zhiqian LIU Advanced Solar Power	Carbon. PV. Architecture - Innovative and Practical Applications of BIPV
12:20	06:20	Lunch Break	
Moderator: Ning XU			
14:00	08:00	Ke WANG Huasun Energy	Highly efficient HJT PV technology and applications
14:20	08:20	Yehao SONG Tsinghua University	Holistic application of BIPV in zero carbon buildings

<b>Session 3</b>		<b>AGRI-PV</b>	
14:40	08:40	Yu YAN Huiyao Pinshang Energy	Flexible bracket on the mountains
15:00	09:00	Xiang WU China Triumph Glass	BIPV solution towards Agricultural Facilities
15:20	09:20	Coffee Break	
<b>Session 4</b>		<b>Home and Smart PV</b>	
15:40	09:40	Yu LIU China Development Institute	Policies and actions for BIPV in Shenzhen
16:00	10:00	Yong WANG Trina Solar	The Commercialization of Residential PV
16:20	10:20	Haijun ZHOU Zhongyifeng Joint Lab	GraphChain
16:40	10:40	Lili SUN Shenzhen Ruixiaoyi Technology	IPV Related Patents and Applications
<b>17:00</b>	<b>11:00</b>	<b>Next Chair</b>	

## Organizer



### **Ning Xu**

*Technical Advisor*

Yangtze Institute for Solar  
Technology (YIST)



### **Kaining Ding**

*Leader of SP6 - Integrated PV*

European Energy Research  
Alliance (EERA-PV)



### **Thomas Reindl**

*Deputy CEO, Cluster Director*

Solar Energy Research Institute  
of Singapore (SERIS)



### **Heyan Li**

*President & Founder, Chief  
Analyst*

Solarbe & Solarbe Consulting

## Speakers



### **Ke WANG**

*Head of Smart Energy Center*

Huasun Energy



### **Qiao MENG**

*Overseas System Solutions  
Manager*

Sungrow FPV



### **Xia HENG**

*Assistant Professor*

Shenzhen University



### **Yehao SONG**

*Tenure Professor, Director of  
Building & Technology Research  
Institute*

Tsinghua University



### **Larry Zhao**

*PVBM Solution Director*

GoodWe



### **Zhiqian LIU**

*General Manager, BIPV Division*

Advanced Solar Power



### **Yong WANG**

*Vice President*

Trina Power



### **Xiang WU**

*Marketing Director*

China Triumph Glass



### **Yu LIU**

*Executive Director of New Energy  
and Low Carbon Development  
Research Institute*

China Development Institute



### **Duo LUO**

*Assistant VP*

Trina Solar



**Yu YAN**

*Design Director Of South China*

Huiyao Pinshang Energy



**Yifei ZHANG**

*General manager*

Baoding Jiasheng Photovoltaic  
Technology Co. Ltd.



**Haijun ZHOU**

*Researcher*

YIST



**Bin DU**

*Technical Manager*

DAS Solar



**Lili SUN**

*Patent Expert*

Shenzhen Ruixiaoyi  
Technology Service Co., Ltd.

## Main Organizers



## Steering Committee

Kaining Ding

Matthieu Despeisse

Zhiqiang Feng

Thomas Reindl

Bonna Newman

Akira Terakawa

Aude Derrier

Dengyuan Song

Ning Xu

Anna Heimsath

European Energy Research Alliance (EERA-PV)

The Centre Suisse d'Electronique et de Microtechnique (CSEM)

Trina solar

Solar Energy Research Institute of Singapore (SERIS)

Lightyear

Panasonic Corporation (Panasonic)

Institut National de l'énergie Solaire (CEA-INES)

DAS Solar

Yangtze Institute for Solar Technology (YIST)

Fraunhofer ISE

## Register

[https://www.solarbeglobal.com/ipv\\_workshop2024/](https://www.solarbeglobal.com/ipv_workshop2024/)

## Contacts

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