

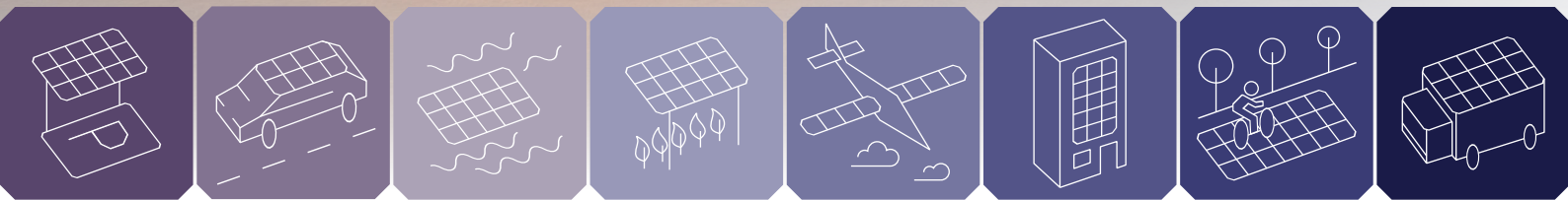
1st International Integrated-PV Workshop

Bringing together experts on IPV research and applications

Online Meeting

April 7-8, 2022, free of charge

Registration: go.fzj.de/ipv_workshop2022



The Way to Carbon Neutrality

Next frontier in PV: Integrated-PV (IPV)

To achieve carbon neutrality, the future of our electricity supply will see a massive increase in solar power generation, which will contribute around 50% of the global electricity generation by 2050. The cost of photovoltaics (PV) generated electricity has been declining rapidly in the last decade, competitive to that of coal or gas in most areas. This can be the turning point for PV to diversify its application and integrate into our daily lives. The integrated-PV (IPV) technology will greatly broaden the development of PV industry, delivering PV products with higher added value.

The 1st International IPV Workshop will bring together, for the first time, experts in the area of Building-integrated PV (BIPV), Floating PV, Agro-PV, Vehicle-integrated PV (VIPV) and others to discuss the way forward and generate synergies between the various disciplines. It will provide an exchange between academia and industry about latest technology options and also address concerns and provide solutions for governments and planners.

Integrated PV will be the “New Normal”!



Program | Thursday, April 07, 2022

CST
Beijing Time

CEST
Central European
Summer Time

14:00	8:00	Thomas Reindl	Opening 100% Renewable Energy scenario with IPV
Session 1		Thomas Reindl	Plenary Session
14:20	8:20	Eicke Weber UC Berkeley	Importance for IPV in the energy transition
14:45	8:45	Pierre Verlinden Amrock Pty Ltd.	The role of Integrated PV in a Multi-TeraWatt Market toward 100% Renewables
15:10	9:10	Coffee Break	
Session 2		Bonna Newman Akira Terakawa	VIPV
15:20	9:20	Kenji Araki Miyazaki Univ.	PV for vehicles – What's difference?
15:40	9:40	Antonin Faes CSEM	Integrated PV for buildings, automotive and stratospheric applications
15:55	9:55	Anna Carr TNO	Vertically mounted VIPV: Technologies and Potential
16:10	10:10	Taizo Masuda Toyota Motor Corporation	Progress and prospect of solar powered passenger vehicle and efforts at Toyota
16:25	10:25	Coffee Break	
Session 3		Vera Wang Anu Bhambhani	Agri PV
16:35	10:35	Onno Muller Forschungszentrum Jülich	Plant Photovoltaics: Plant Phenotyping under Agri-Horti Photovoltaics
16:55	10:55	Bas Van Aken TNO	Balancing energy and food production in agrivoltaics systems
17:10	11:10	Gaël Nardin INSOLIGHT	Insolagrín: a semi-transparent solution for dynamic agrivoltaics
17:25	11:25	Erion Bousi Fraunhofer ISE	Modelling and analysis of orchard agrivoltaic systems
17:40	11:40	Yuelong Huang	Closing

Program | Friday, April 08, 2022

CST
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14:00	8:00	Hui Shen	Opening
Session 4		Aude Derrier Zhiqiang Feng	Floating PV
14:05	8:05	Toni Weigl BayWa r.e.	Overview and insights about applying Floating-PV
14:25	8:25	Carlos Rodríguez SERIS	Key learnings from 6 years R&D on the MW-scale FPV testbed in Singapore
14:40	8:40	Weiwu Wu Sungrow FPV	The development and key technologies of floating PV
14:55	8:55	Allard van Hoeken Oceans of Energy	Near- and Off-shore Floating PV: Opportunities and Challenges
15:10	9:10	Coffee Break	
Session 5		Matthieu Despeisse Dengyuan Song	BIPV
15:20	9:20	Björn Rau Helmholtz-Zentrum Berlin	PV meets architecture – building-integrated photovoltaics
15:40	9:40	Zhengrong Shi SunMan Solar	Ultra-light Solar Modules Enable Integrated PV into Our Life
15:55	9:55	Michio Kondo National Institute of Advanced Industrial Science and Technology	Building Integrated PV: New technological Aspects and Potential Impacts on Society
16:10	10:10	Aimin Xia China BIPV Alliance	Large Scale BIPV Grid Parity Triggers Building Carbon Zero
16:25	10:25	Eric Langenskiöld Basler & Hofmann	BIPV - Façade Design Possibilities and Practical Experience
16:40	10:40	Coffee Break	
Session 6		Kaining Ding	Panel Discussion
16:50	10:50	Frank Phuan Sunseap Group	
		Laura Sartore Ecoprogetti	
		Rutger Schlatmann Helmholtz-Zentrum Berlin	
17:30	11:30	Kaining Ding	Closing of 1 st IPV workshop and announcement by organizer of 2 nd IPV workshop

Organizer



Kaining Ding
Head of Department Silicon
Heterojunction Solar Cells and
Modules at IEK-5: Photovoltaics
Forschungszentrum Jülich,
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China BIPV Alliance



Zhengrong Shi
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Sunman Solar, China



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Founder & CEO
Oceans of Energy

Main Organizer



Media Partner



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