



8th WORLD CONFERENCE ON PHOTOVOLTAIC ENERGY CONVERSION

26 – 30 SEPTEMBER 2022
MILANO CONVENTION CENTRE · MILAN · ITALY

Poster Awards - Awards for the best Visual Presentations 2022

The Poster Awards are an important part of the conference, where all visual presentations are evaluated and judged based on structure, presentation and scientific contribution to select those that excel in their topics.

We would like to emphasise that the posters are an equally important part of the conference programme, and we are even more pleased to have the presentations in physical form again this year.

The best posters have been selected and acknowledged in the closing session of the conference.

Congratulations to the winners!



For all Conference and Exhibition enquiries, please contact WIP, the EU PVSEC Organiser. WIP will handle your enquiry or forward it to the relevant chairperson or partner
Tel. +49 – 89 – 720 12 735 • Fax +49 – 89 – 720 12 791 • pv.conference@wip-munich.de • www.photovoltaic-conference.com

CONFERENCE GENERAL CHAIR

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The presentation of

F. Buchholz, J. Linke, C. Peter, J. Hoß, J. Lossen, R. Kopecek

“Fully Passivating Contact IBC Solar Cells Using Laser Processing”

has been selected as winner in the thematic area of
“Silicon Materials and Cells”

The presentation of

M. Singh, A. Amarnath, G. Yang, D. Zhang, V. Zardetto, M. Najafi, A. Creatore, R. Janssen, S. Veenstra, G. Coletti, L. Mazzarella, A. W. Weeber, M. Zeman, O. Isabella

“Screen-Printed c-Si Solar Cells with poly-SiO_x Carrier Selective Passivating Contacts on Ultra-Thin Thermal Tunneling Oxide”

has been selected as winner in the thematic area of
“Silicon Materials and Cells”

The presentation of

M. Mehler, F. Geml, A. Schmid, A. Zuschlag, G. Hahn

“Effect of Different AlO_x Passivation Layers Deposited by APCVD and ALD on LeTID”

has been selected as winner in the thematic area of
“Silicon Materials and Cells”

The presentation of

J. Bhajipale, K.P. Sreejith, A. Kottantharayil

“Advantages of TOPCon Cell with Rear Full Area Hole Selective Contact on p-type Si with Front n+ Emitter over PERC”

has been selected as winner in the thematic area of
“Silicon Materials and Cells”

The presentation of

D. Ursic, M. Pirc, M. Jošt, M. Topic, M. Jankovec

“Energy Harvesting from a Single Lab-Scale Perovskite Solar Cells for Self-Powered Indoor IoT Applications”

has been selected as winner in the thematic area of
“Evolving and Emerging Technologies: Tandems; Thin Film absorbers; III-V; New Materials and Concepts; Advanced Modelling”

The presentation of

A. Debot, J. Guillot, D. Adeleye, P. Dale

“Inkjet-printed Indium Sulfide Buffer Layer for Cu(In,Ga)(S,Se)₂: Is it Necessary to Pre-Form the In-S Bond in Solution?”

has been selected as winner in the thematic area of
“Evolving and Emerging Technologies: Tandems; Thin Film absorbers; III-V; New Materials and Concepts; Advanced Modelling”

The presentation of

E. Ugur, E. Aydin, M. De Bastiani, G. T. Harrison, B. Yildirim, T. Allen, S. Teale, B. Chen, P. Schulz, M. Babics, R. Azmi, A. Seikhhan, M. Wang, J. Liu, A. S. Subbiah, A. ur Rehman, E. H. Sargent, F. Laquai, S. De Wolf

“High-Current Output Bifacial Perovskite/Silicon Tandem Solar Cells”

has been selected as winner in the thematic area of
“Evolving and Emerging Technologies: Tandems; Thin Film absorbers; III-V; New Materials and Concepts; Advanced Modelling”

The presentation of

A. A. Raj, S. Bhardwaj, K. L. Narasimhan, S. Avasthi

“Photoelectromagnetic Effect in Triple Cation Perovskite”

has been selected as winner in the thematic area of
“Evolving and Emerging Technologies: Tandems; Thin Film absorbers; III-V; New Materials and Concepts; Advanced Modelling”

The presentation of

J. Dupuis, C. Abdel Nour, R. Bodeux, P. Lefillastre, A. Becker

“Module Quality Control Using very Low-Cost Mobile Near-Infrared Spectroscopy Device: Application to Backsheet Type Identification”

has been selected as winner in the thematic area of
“Photovoltaic Modules and BoS Components”

The presentation of

F. Lisco, G. Cattaneo, A. Virtuani, C. del Pero, F. Leonforte, N. Aste, M. Despeisse, C. Ballif

“Demonstrative BIPV Facades Realized with Novel Glass-free Colored Lightweight PV Modules”

has been selected as winner in the thematic area of
“Photovoltaic Modules and BoS Components”

The presentation of

C. Barretta, E. Helfer, A. Macher, M. Bredács, A. Gök, G. Oreski

“Chemical and Morphological Characterization of PVDF Films used for Photovoltaic Backsheets”

has been selected as winner in the thematic area of
“Photovoltaic Modules and BoS Components”

The presentation of

M. Di Blasi, M. Genovese, M. Falce, G. M. Baldi, M. Fagnano

“A Sustainable Agrivoltaic Experience in a dry Mediterranean Area: Co-Existence of Agricultural Activities in Utility-scale Plants of EGP for Multiple Land Use”

has been selected as winner in the thematic area of
“PV Systems Engineering, Integrated/Applied PV”



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The presentation of

T. Kjeldstad, V. S. Nysted, J. H. Selj, D. Lindholm

“Thermal Losses for Floating PV in PVsyst”

has been selected as winner in the thematic area of
“PV Systems Engineering, Integrated/Applied PV”

The presentation of

G. Luchetta Martins, E. Koumpli, S. Southern, A. Panoui, J. Muller

“Impact of Data Quality on the Performance Evaluation of Large-Scale PV Plants”

has been selected as winner in the thematic area of
“PV Systems Engineering, Integrated/Applied PV”

The presentation of

K. Lappalainen, S. Valkealahti

“Experimental Observations about the Cloud Enhancement Phenomenon on PV Strings”

has been selected as winner in the thematic area of
“PV Systems Engineering, Integrated/Applied PV”

The presentation of

G. di Stefano, F. Beccarisi

“Disruptive Innovation for Automated PV Plant Construction Delivers Faster Time-To-Market and Lower Overall Costs for Mid-Size to Multi-MW Solar Farms”

has been selected as winner in the thematic area of
“PV Systems Engineering, Integrated/Applied PV”

The presentation of

C. Lemoine, Y. Petit, M. Chapuis, E. Billy

“Recovery of Silver from Solar Panel Waste by Leaching In Deep Eutectic Solvent”

has been selected as winner in the thematic area of
“Energy Transition – Integration, Storage, Sustainability, Policy, Economics, Energy Poverty, Society”

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