
WORKSHOP

Industrialization of Perovskite Thin Film Photovoltaic Technology



Virtual via Zoom

Thursday, 16 December 2021
from 13:00 to 16:15 CET

SWISS*PHOTONICS

TOPIC

More than a decade of organic-inorganic perovskite solar cell research and development has propelled this thin film technology out of the research laboratories into real world. Several companies worldwide are taking up the challenge of scale-up in a multitude of ways. One strategy consists of single junction perovskite architectures defying established photovoltaic technologies. Another one aims at flexible customizable solar panels with single- or tandem junction cell structures entering more specialized markets with only few competitors. Yet a third approach consists of “marrying” established technologies in a joint tandem architecture. This workshop brings together the foremost actors in this fascinating industrial development.

TARGET AUDIENCE

With this workshop we intend to update and inform about the progresses made and challenges faced by companies pushing forward industrialization of perovskite solar cells. Targeted are scientists and engineers in the field of solar cells as well as industrialists and investors being interested in this raising field.

POSTER

3 minute poster pitches are welcome during the coffee break. You will have the opportunity to share two slides during the presentation. Please send your poster abstract to the conference office.

REGISTRATION

The event is free of charge.

Please register:

www.empa-akademie.ch/perovskite21

Deadline: 13 December 2021

PROGRAM COMMITTEE

Prof. Frank A. Nüesch
Prof. Ayodhya Tiwari
Empa
Prof. Christophe Ballif
Prof. Michael Grätzel
Prof. Md. K. Nazeeruddin
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PROGRAM

- 13:00 Opening**
Prof. F. Nüesch, Empa, Dübendorf (CH)
- 13:15 Stable Perovskite Module on the Way for Mass Production**
Dr. B. Yan, Microquanta Semiconductor, Hangzhou (CN)
- 13:30 Printable Mesoscopic Perovskite Solar Cells**
Prof. H. Han, Huazhong University of Science and Technology (HUST), Wuhan (CN)
- 13:45 100 MW Production Capacity of Perovskite Solar Modules**
Prof. B. Fan, GCL Nano Technology, Suzhou (CN)
- 14:00 Efficient Structures and Processes for Upscaling of Perovskite Modules and Tandems**
Dr. T. Aernouts, R&D manager Thin-Film PV, imec, partner in EnergyVille & Solliance, Eindhoven (NL)
- 14:15 Coffee break – Poster session**
- 14:45 Pilot Production and Market Entrance**
Dr. D. Forgács, Saule Technologies, Warsaw (PL)
- 15:00 A Radically Simpler Way to Manufacture Thin-Film Solar Panels, On the Scale-Up to Meet Future Photovoltaic Goals**
Dr. T. Meyer, Solaronix SA, Aubonne (CH)
- 15:08 Digitally Printed Custom Design Solar Cells**
Dr. A. Verma, PEROVSKIA SA, Aubonne (CH)
- 15:15 Is Perovskite PV Prepared for TW Solar?**
Dr. C. Case, Oxford PV, Oxford (UK)
- 15:30 Swift Solar – Perovskite Tandem PV with New Form Factors**
Dr. T. Leijtens, Swift Solar, Colorado (US)
- 15:45 Perspectives on Market Application for Perovskite Solar Cells**
Mr. D. Travesso, FIR Capital, Nova Lima (BRA)
- 16:00 Short conclusions**
Prof. F. Nüesch, Empa, Dübendorf (CH)

