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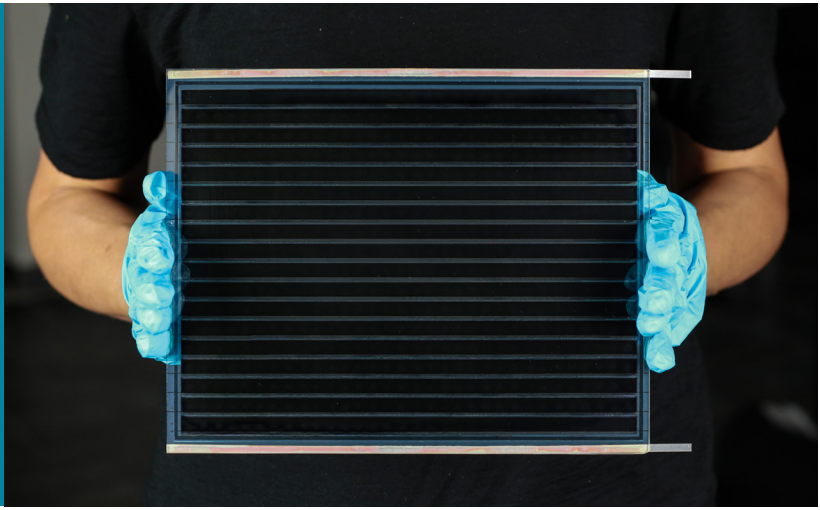
WORKSHOP

Industrialization of Perovskite Thin Film Photovoltaic Technology



Virtual via Zoom

Friday, December 11, 2020

from 13:00 to 16:00

SWISS PHOTONICS

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Bundesamt für Energie BFE
Swiss Federal Office of Energy SFOE

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TOPIC

The advent of hybrid perovskites in the family of solar cell technologies is spurring tremendous research activities worldwide. The major thrust for endorsing this thin film technology consists of the competitive power conversion efficiencies, low manufacturing costs and interoperability with well-established technologies such as crystalline silicon and CIGS.
Following the huge research effort with thousands of scientific publications every year, industrial implementation has gained impetus. This workshop shall capture the most important developments in the field of industrialization of perovskite solar cells by bringing together a panel of industrial representatives of the major players.

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/perovskite20

Deadline: December 9, 2020

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PROGRAM COMMITTEE

Prof. Frank A. Nüesch
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Prof. Michael Grätzel
Prof. Anders Hagfeldt
Prof. Md. K. Nazeeruddin
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PROGRAM

13:00 **Opening**
Prof. F. Nüesch, Empa, Dübendorf (CH)

13:15 **Assessing the perovskite module long-term reliability via IEC 61215 test**
Dr. J. Yao, Microquanta Semiconductor, Hangzhou (CN)

13:30 **Stabilizing Perovskite solar cells to IEC 61215:2016 standards with over 9000-hour operational tracking**
Prof. H. Han, Huazhong University of Science and Technology (HUST), Wuhan (CN)

13:45 **Ramping up perovskite solar module production**
Prof. B. Fan, GCL Nano Technology, Suzhou (CN)

14:00 **Efficient structures and processes for reliable perovskite solar 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 **First commercial applications of flexible perovskite solar modules**
Dr. D. Forgács, Saule Technologies, Warsaw (PL)

15:00 **Bloom, boom or doom in Perovskite PV**
Dr. T. Meyer, Solaronix SA, Aubonne (CH)

15:15 **Commercializing all-perovskite tandem PV**
Dr. Thomas Leijtens, Swift Solar, Colorado (US)

15:30 **Short conclusions**
Prof. F. Nüesch, Empa, Dübendorf (CH)