

BCworkshop2017

8th workshop on back contact solar cell and module technology

// PROGRAMME / DAY 1 //

TUESDAY / NOVEMBER 21, 2017 11:00 - 22:00

11:00 - 13:00 Registration

11:45 - 13:00 Lunch

13:00 - 13:10 Opening by Roman Keding (Fraunhofer ISE)

13:10 - 13:30 Invited talk by Katsunori Konishi (Kaneka)

Exceeding conversion efficiency of 26% by heterojunction interdigitated back contact solar cell

13:30 - 15:00 Session 1: BC cell technology 1

• **Erik Hoffmann (IPV)**

Laser processed back contact solar cells

• **Roman Keding (Fraunhofer ISE)**

Progress on BC technology at ISE

• **Sören Schäfer (ISFH)**

Interdigitated back contact cells with passivating polycrystalline silicon

• **Bertrand Paviet-Salomon (CSEM)**

Interdigitated back-contacted silicon heterojunction solar cells featuring an interband tunnel junction enabling simplified processing

15:00 - 15:40 Coffee break

15:40 - 16:45 Session 2: BC cell technology 2

• **Jacques Levrat (CSEM / PASAN)**

A flexible solution for the measurement of complex solar cells

• **Tomihisa Tachibana (AIST)**

Effects of passivation layer on base region in back contact silicon solar cells with screen printed electrode

• **Gema López (UPC)**

IBC technology developed at UPC

16:45 - 17:30 Coffee break

17:30 - 18:35 Session 3: Alternative BC technologies & applications

• **Cham Thi Trinh (HZB)**

Progress on and potential of interdigitated back-contact silicon heterojunction solar cells for liquid phase crystallized silicon on glass

• **Guy Beaucarne (Dow Corning)**

To shingle or not to shingle, that is the question - Comparing shingled cells modules with conductive foil-based back-contact modules

• **Ulrich Eitner (Fraunhofer ISE)**

Customizable back-contact cells and module integration

19:00 Dinner (Restaurant Wolfshöhle, Konviktstrasse 8, 79098 Freiburg)

// One-way bus shuttle (starts from SIC main entrance / 18:40)

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// PROGRAMME / DAY 2 //

WEDNESDAY / NOVEMBER 22, 2017 09:00 - 13:45

09:00 - 10:30 Session 4: BC module technology

- **Kees Broek (ECN)**
Benefits of operating a mini module BC baseline
- **Arvid von der Heide (IMEC)**
Reliability testing of MWT-PERT modules made with industrial solder-through interconnection
- **Andreas Halm (ISC Konstanz)**
Status of ZEBRA cell and module development
- **Ian Bennett (DSM)**
Materials and coatings for back contact module optimization

10:30 - 11:10 Coffee break

11:10 - 12:15 Session 5: Industrial production

- **Yizhan Chen (Wuyi University / TRINA)**
The latest progress of IBC solar cells pilot line in TRINA
- **Davide Spotti (Formula E / Trienergia)**
The Formula E approach to the back-contact cells and modules manufacturing
- **Bart de Gier / Nico van Ommen (Eurotron / Eurolab)**
Manufacturing of back contact modules

12:15 - 12:30 Closing

12:30 - 13:45 Lunch

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