

ZSW Contributions to EU-PVSEC

Tuesday, 25 September

ORAL PRESENTATIONS 6BO.6

13:30 – 15:00 Advanced Inspection and Failure Detection in PV Systems

Chairperson: Peter Lechner, ZSW, Stuttgart, Germany et al.

VISUAL PRESENTATIONS 6BV.1

8:30 – 10:00 Solar Resource and Forecasting / Building, Infrastructure, Landscape and other Applications of PV / Grid and Energy System Integ

6BV.1.36 Research Project CIGS-Façade: PV Façades – Chances and Limits

D. Geyer, P. Lechner, ZSW, Stuttgart, Germany et al.

VISUAL PRESENTATIONS 3BV.2

13:30 – 15:00 CI(G)S, CdTe and Related Thin Film Solar Cells and Modules

3BV.2.18 Assessment of CIGS Device Processing on Innovative Insulating Non-Glass Substrates

F. Kessler, R. Würz, ZSW, Stuttgart, Germany et al.

3BV.2.19 3D-Imaging of Cu(In,Ga)Se₂ Grain Boundaries by Time-of-Flight-Secondary Ion Mass Spectrometry
W. Hempel, J. Hanisch, T. Magorian Friedlmeier, M. Powalla, ZSW, Stuttgart, Germany et al.

Wednesday, 26 September

PLENARY SESSION 3CP.1 / 4 CP.2

10:30 – 12:00 Progress in Thin Film PV / Progress in Concentrating PV

3CP.1.1 Keynote Presentation: Characterization and New Concepts Applied to Cu(In,Ga)Se₂ Solar Cells: Advancements through EU Project Sharcs25

W. Witte, P. Jackson, D. Hariskos, F. Kessler, M. Powalla, ZSW, Stuttgart, Germany et al.

ORAL PRESENTATIONS 3CO.6

13:30 – 15:00 CIGS Devices and Processing

Chairperson: Wiltraud Wischmann, ZSW, Stuttgart, Germany et al.

ORAL PRESENTATIONS 3CO.7

15:15 – 16:45 CIGS Characterisation

3CO.7.5 Service Life Prediction for CIGS Modules Regarding Potential-Induced Degradation

P. Lechner, J. Schnepf, S. Hummel, ZSW, Stuttgart, Germany et al.

ORAL PRESENTATIONS 3CO.8

17:00 – 18:30 CdTe and CZTS

3CO.8.5 SWInG – Development of Thin Film Solar Cells Based on Wide Band Gap Kesterite Absorbers

T. Schnabel, E. Ahlswede, ZSW, Stuttgart, Germany et al.

VISUAL PRESENTATIONS 6CV.2

13:30 – 15:00 Design and Installation of PV Systems

6CV.2.5 Impact of Dynamic-Mechanical Load on PV Modules Mounted on Single-Axis Tracker

D. Stellbogen, P. Lechner, O. Schanz, S. Hummel, J. Schnepf, ZSW, Stuttgart, Germany et al.

VISUAL PRESENTATIONS 5CV.3

15:15 – 16:45 PV Module Design, Manufacture, Performance and Reliability / Inverters and

Balance of System Components / Sustainability and Rec

5CV.3.25 Degradation Analysis from Long-Term PV Module IV Curve Field Monitoring

D. Stellbogen, P. Lechner, O. Schanz, ZSW, Stuttgart, Germany et al.

Thursday, 27 September

ORAL PRESENTATIONS 3DO.5

15:15 – 16:45 Increasing the Efficiency of Perovskite Solar Cells

3DO.5.4 Towards Inexpensive and Stable All-Evaporated Perovskite Solar Cells for Industrial Large-Scale Fabrication
E. Lotter, M. Powalla, ZSW, Stuttgart, Germany et al.

ORAL PRESENTATIONS 3DO.6

17:00 – 18:30 Upscaling of Perovskite Photovoltaics

3DO.6.2 Large Area Perovskite Deposition Enabled by Nanoparticle Adhesion Promoters
M. Schultes, E. Ahlswede, ZSW, Stuttgart, Germany et al.

3DO.6.6 Efficient, Large-Area Scalable Perovskite-Si and Perovskite-CIGS Tandem Solar Modules
S. Paetel, E. Ahlswede, ZSW, Stuttgart, Germany et al.