

IW-CIGSTech 8 – Workshop Program

30th May 2017 @ Commundo, Universitätsstraße 34, 70569 Stuttgart, Germany

Time	Title/subject	Presented by
09:00	Registration	
Introduction		
09:30	Welcome remarks	Prof. Dr. Rutger Schlatmann, HZB (D), Prof. Dr. Michael Powalla, ZSW (D)
CIGS Module Manufacturing		
10:00	Challenge for high efficiency CIGS solar cells in Solar Frontier from R&D to manufacturing	Dr. Hiroki Sugimoto Solar Frontier (JPN)
10:20	A new horizon for CIGS _{Se} efficiency optimization: band gap engineering at the hetero-interface	Dr. Thomas Dalibor AVANCIS (D)
10:40	CIGS Development at Solibro	Dr. Philipp Kratzert, Solibro Hi-Tech GmbH (D)
11:00 Coffee Break		
Flexible CIGS Solar Cells and Modules		
11:30	Studies for advance understandings and efficiency improvements	Prof. A Tiwari, EMPA (CH)
11:50	CIGS studies at IPVF: focus on CIGS flexible polymer solar cells results	Dr. Frédérique Donsanti IRDEP / IVPF (F)
12:10	MiaSolé Hi-Tech update on R&D Advances	Atiye Bayman Ph.D., Miasolé Hi-Tech (USA)
12:30	Flexible CIGS – high efficiency and light-weight PV technology	Jeffrey S. Britt, Ph.D., Global Solar (USA)
12:50 Light Lunch / Poster Session		
CIGS Manufacturing Perspectives		
14:00	CIGSfab Take-Off	Dr. Kay Orgassa, Manz CIGS Technology GmbH (D)
14:20	High speed R@D using the DUO tool	Eric Jaremalm, Midsummer (SE)
14:40	TCO for innovative CIGS modules	Richard Menner, ZSW (D)
15:00 Coffee Break		
New Results of Materials Characterisation		
15:30	Nanosopic study of the grain boundaries of Cu(InGa)Se ₂	Prof. Xiao Xu Dong, Chinese University of Hong Kong, (Shenzhen Institutes of Advanced Technology) (CN)
15:50	Cu-deficient layer as an efficiency booster; analysis, growth and characterization	Prof. Akio Yamada, Tokyo Institute of Technology (JPN)
16:10	Post-deposition treatments of Cu(In,Ga)Se ₂ chalcopyrite thin-film solar cell absorbers: Impact on chemical and electronic surface and interface structure	Prof. Dr. Marcus Bär HZB (D)
Conclusion		
16:30	Discussion, Summary, Outlook	Prof. Dr. Rutger Schlatmann
17:40	Laboratory Visit at new ZSW building (Bus Shuttle)	
18:40 Networking Event at Commundo Hotel (Dinner with Poster Session)		