IW-CIGSTech 8 – Workshop Program

30th May 2017 @ ZSW, Meitnerstr. 1, 70563 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)
09:50		Role of CIGS in future PV, The CIGS white paper (title t.b.c.)	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 CIGSSe efficiency optimization: band gap engineering at the hetero-interface	Dr. Thomas Dalibor AVANCIS (D)
10:40		Recent Progress in R&D at Solibro Research	Dr. Philipp Kratzert, Solibro Hi-Tech GmbH (D) / Solibro Research AB (SE)
11:00		**Coffee Break**	
Flexible CIGS Solar Cells and Modules			
11:30		Flexible CIGS cells (title t.b.c.)	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		Manz CIGSfab: GW perspectives and Outlook (title t.b.c.)	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		Nanoscopic study of the grain boundaries of Cu(InGa)Se2	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. Akiro Yamada, Tokyo Institute of Technology (JPN)
16:10		Post-deposition treatments of Cu(In,Ga)Se2 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	Powalla / Schlatmann / Schock
17:30		Laboratory Visit at new ZSW building	
18:30		**Networking Event at ZSW (Dinner with Poster Session)**	