

International Workshop on High Efficiency CIGS Solar Cells

Nov. 18, 2017 (Sat) at Ryukoku University REC hall

Program

9:30-9:35 Introductory talk

Session 1. Absorber and Interface

9:35-10:05 Michael Powalla (ZSW, Germany)
“TBA”

10:05-10:35 Shigeru Niki (AIST, Japan)
“Progress in the CIGS Consortium Japan”

10:35-11:05 Ayodhya N. Tiwari (EMPA, Switzerland)
“Studies on alkali treated CIGS layers and solar cells”

(11:05-11:15 Coffee Break)

11:15-11:45 Akira Yamada (Tokyo Tech., Japan)
“Cu(In,Ga)Se₂ Solar Cells; What should we do next.”

11:45-12:15 Negar Naghavi (IRDEP, France)
“Optimization of materials and interfaces in ultrathin or flexible CIGS based solar cells:Recent research progress and challenges”

(12:15-14:15 Lunch Break and Poster Presentations)

14:15-14:45 Jae Ho Yun (KIER, South Korea)
“New approaches to multi-functional CIGS thin film solar cells in KOREA”

Session 2. Industrial

14:45-15:15 Takuya Kato (Solar Frontier, Japan)
“CIGS development at Solar Frontier: from small cell to manufacturing”

15:15-15:45 Thomas Dalibor (Avancis, Germany)
“Heterojunction Band Gap Engineering for High Efficiency CIGS_{Se} Solar Modules”

(15:45-16:00 Coffee Break)

Session 3. Characterization and Theoretical

16:00-16:30 Susanne Siebentritt (University of Luxembourg, Luxembourg)
“Potassium treatment of Cu-rich CIGS”

16:30-17:00 Harvey Guthrey (NREL, USA)
“Electron Microscopy Investigations of CIGS Photovoltaics with Alkali Post Deposition Treatments”

17:00-17:30 Takahiro Wada (Ryukoku University, Japan)
“Materials Issues in high efficiency Cu(In,Ga)(S,Se)₂ solar cells”

Session 4. Discussion (by all participants)

17:30-18:00 “How to achieve 25% ?”

(Closing)