

The 4th Asia-Pacific Kesterite Workshop

13 Dec 2021, 15:00-22:00 (AEDT)

Time	Speaker	Title
15.00-15.10	Committee Chair Prof Xiaojing Hao	Welcome
Session 1	Xiaojing Hao & Yi Zhang (Nankai University)	Session Chairs
15.10-15.30	Hao Xin (Nanjing University of Posts and Telecommunications)	DMSO solution route to 13% efficient kesterite solar cell
15.30-15.50	Jin-Hyeok Kim (Chonnam National University)	Fabrication and Characterization of High-Efficiency Cu ₂ ZnSn(S,Se) ₄ Thin-Film Solar Cells with Distinct Cation Substitution Approach
15.50-16.10	Sixin Wu (Henan University)	Adjusting the deep-level defects in Cu ₂ ZnSn(S,Se) ₄ absorber layer via cation substitution for efficient kesterite solar cells
16.10-16.30	Break	
Session 2	Hitoshi Tampo (AIST)	Session Chair
16.30-16.50	Qinbo Meng (Chinese Academy of Science)	Kesterite Cu ₂ ZnSn (S, Se) ₄ Solar Cell: Opportunity and Challenge
16.50-17.10	Shuying Cheng (Fuzhou University)	Flexible CZTSSe thin film solar cells for indoor applications
17.10-17.30	Dae-Hwan Kim (DGIST)	Flexible thin film solar cells with an earth abundant and non-toxic CZTSSe chalcogenide
17.30-17.50	Fangyang Liu (Central South University)	Self-depleted CuSCN interlayer for back contact modification and fully solution-processed CZTSSe solar cells
17.50-18.10	Zhenghua Su (Shenzhen University)	Interface engineering for highly efficient Ag-alloyed Cu ₂ ZnSnS ₄ solar cell
18.10-18.30	Shiyong Chen (Fudan University)	Origin of Band-Tail and Deep-Donor States in Cu ₂ ZnSn(S,Se) ₄ Solar Cells
18.30-19.00	Break	

Session 3	Hao Xin (NUPT)	Session Chair
19.00-19.20	Xudong Xiao (Wuhan University)	Design and realization of Ga gradient in submicron Cu(In,Ga)Se ₂
19.20-19.40	Jiang Tang (Huazhong University of Science and Technology)	CdSe Solar Cells: A Promising Top Cell for Silicon Tandem Applications
19.40-20.00	Lydia H.Wong (Nanyang Technological University, NTU)	Next Generation Chalcogenide Photoabsorber for Solar Harvesting Devices
20.00-20.20	Tao Chen (University of Science and Technology of China)	Hydrothermal deposition of antimony chalcogenide films for solar cell applications
20.20-20.30	Break	
Session 4	Xiaojing Hao (UNSW)	Session Chair
20.30-20.50	Edgardo Saucedo (Polytechnic University of Catalonia, UPC)	Kesterite: where do we come from, where should we go?
20.50-21.10	Thomas Unold (Helmholtz-Zentrum Berlin, HZB)	What can the kesterite research community learn from halide perovskites?
21.10-21.30	Levent Gütay (University of Oldenburg)	Advanced Optimization Strategies for Kesterite: Solar Cells: About Pathways and Landscapes?
21.30-21.50	Marit Kauk-Kuusik (Tallinn University of Technology)	Detailed Insight into the CZTS/CdS Interface Modification in the Monograin Layer Solar Cells
21.50-22.00	Discussion	Summary & Close