

17:00 - 17:30

Smart Materials for Solar Energy Harvesting 2016

12 - 13 Dec 2016 (Mon - Tue)







and a	Departments of Chemistry, Electronic Engineering and Physics, The Chinese University of Hong Kong	
:	Supported by: The Chinese University of Hong Kong Vice-Chancellor's Discretionary Fund, CUHK FACULTY OF ENGINEERING	
Seminars: TY Wong Hall, 5/F, Ho Sin Hang Engineering Building, CUHK Poster session: (Concurrent to seminars) Room 603, Ho Sin Hang Engineering Building, CUHK		
	Day 1: Dec 12, 2016 (Monday)	
9:00 – 9:15	Opening Remarks – Prof. CP Wong, Dean of Engineering, CUHK	
	Photovoltaics: General	
9:15 – 10:00	Keynote Speech: PV Development in China and Future Forecast Sicheng Wang, National Development and Reform Commission (NDRC), China	
10:00 – 10:30	Invited Speech: Synchrotron X-ray scattering based thin film solar cell studies Xinhui Lu, The Chinese University of Hong Kong	
10:30 – 11:00	Coffee Break	
	Alternative Energy	
11:00 – 11:45	Keynote Speech: A Nanowire Tool Box and Emergent Macroscopic Nanowire Assemblies for Energy Conversion and Storage Shuhong Yu, University of Science and Technology of China	
11:45 – 12:15	Invited Speech: Plasmonic Enhancement of Chemical Reactions Jianfang Wang, The Chinese University of Hong Kong	
12:15 – 13:45	Lunch	
	Thin film Compound Semiconductor Solar Cells:	
13:45 – 14:30	Keynote Speech: Thin-Film Solar Cells and Modules based on CIGS: Cell Efficiencies of 22.6%, Highly Productive Processes and Future Aspects Michael Powalla, Center for Solar Energy and Hydrogen Research, Germany	
14:30 – 15:00	Invited Speech: Surfactant and alloying strategies to reduce Zn rich secondary phases in CZTS Junyi Zhu, The Chinese University of Hong Kong	
15:00 – 15:30	Invited Speech: Industrialization of CIGS-based Flexible Solar Cells Jiakuan Zhu, Shine Techology, Zhejiang, China	
15:30 – 16:00	Coffee Break	
16:00 – 16:30	Invited Speech: Sb2Se3: A Non-toxic Alternative to CdTe for Thin Film Solar Cells? Jiang Tang, Huazhong University of Science and Technology (HUST)	
16:30 – 17:00	Invited Speech: Above 10% Efficiency Cu2ZnSn(S,Se)4 Thin Film Solar Cell Fabricated by Magnetron Sputtering. Yi Zhang, NanKai University, China	

Invited Speech: Comparative Study of CIGS and CZTS Thin Film Solar Cells Chunlei Yang, Shenzhen Institutes of Advanced Technology (SIAT), Shenzhen



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Host: Departments of Chemistry, Electronic Engineering and Physics, The Chinese University of Hong Kong

	Day 2: Dec 13, 2016 (Tuesday)
	Pervoskite & OPV:
9:30 – 10:15	Keynote Speech: Metal Halide Perovskite Solar Cells Henry Snaith, University of Oxford, UK
10:15 – 10:45	Invited Speech: A new room temperature approach for forming high performance CH3NH3PbI3 solar cells with good productivity and stability Wallace C.H. Choy, The University of Hong Kong
10:45 – 11:15	Coffee Break
11:15 – 12:00	Keynote Speech: Fully Printable Mesoscopic Solar Cells Based on Triple Mesoscopic Layers Hongwei Han, Huazhong University of Science and Technology, China
12:00 – 12:30	Invited Speech: Temperature dependent aggregation enables organic solar cells with efficiency up to 11.7% Zhang Guangye, The Hong Kong University of Science & Technology
12:30 - 14:00	Lunch
14:00 – 14:30	Invited Speech: Novel Thienoacene-Based Semiconducting Materials for Organic Solar Cells Ricky M.S. Wong, Hong Kong Baptist University
14:30 – 15:00	Invited Speech: High Efficiency Perovskite-based Photovoltaic Cells Fabricated on TiO ₂ Nanorod/FTO Substrates Charles Surya, The Hong Kong Polytechnic University
15:00 – 15:30	Poster Award Presentation

Organizing Committee:

Prof. Jianbin Xu, Department of Electronic Engineering and Director of Materials Science and Technology Research Center, CUHK

Prof. Xudong Xiao, Department of Physics, CUHK

Prof. Jimmy Yu, Choh-Ming Li Professor of Chemistry and Head of United College, CUHK Miss Mandy Tse, Project Manager, Faculty of Engineering, CUHK