

# 2017 Summer Workshop for Photovoltaics

Venue: Dr. Poe Lecture Hall, Institute of Atomic and Molecular Sciences Academia Sinica

Date: September 14, 2017 (Thursday)

Sponsor: Center for Sustainability Science and Institute of Atomic and Molecular Sciences, Academia Sinica

Time	Agenda
8:00-8:35	Registration
8:35-8:40	Opening Address: <b>Yu Wang</b> (Academician, Academia Sinica)
8:40-8:45	Opening Remark: <b>Juen-Kai Wang</b> (National Taiwan University & Academia Sinica)
8:45-9:30	Invited Talk: <b>Hugh W. Hillhouse</b> (University of Washington) <i>Towards Printable High-Efficiency Tandem Photovoltaics with a Chalcogenide Bottom Cell and Hybrid Perovskite Top Cell</i>
9:30-10:00	Contributed Talk: <b>Cheng-Ying Chen</b> (National Taiwan University) <i>Highly Efficient Earth-abundant <math>\text{Cu}_2\text{ZnSn}(\text{S},\text{Se})_4</math> Solar Cells by Defect-controlled and Interface/Contact Engineering</i>
10:00-10:15	Coffee/Tea Break
10:15-11:00	Invited Talk: <b>Baskar Ganapathysubramanian</b> (Iowa State University) <i>Computationally Exploring Process-Structure-Property Relationships in Organic Electronics</i>
11:00-11:30	Contributed Talk: <b>Chun-Wei Pao</b> (Academia Sinica) <i>Modeling Vacuum Deposition of Organic Small Molecules Using Ellipsoids</i>
11:30-12:00	Contributed Talk: <b>Ping-Tsung Huang</b> (Fu Jen Catholic University) <i>A Shear-Pretreatment Process for the Fabrication of Polymer Solar Cells</i>
12:00-13:30	Lunch
13:30-14:15	Invited Talk: <b>Atsushi Wakamiya</b> (Kyoto University) <i>Materials Chemistry toward Highly Efficient Perovskite Solar Cells</i>
14:15-15:00	Invited Talk: <b>Wei-Fang Su</b> (National Taiwan University) <i>Toward High Efficiency Perovskite Solar Cell</i>
15:00-15:30	Contributed Talk: <b>Hung-Cheng Chen</b> (National Taiwan University) <i>Organic Electron Transporting Materials Based on Rylene Imide Dyes for Perovskite Solar Cells</i>
15:30-15:45	Coffee/Tea Break
15:45-16:30	Invited Talk: <b>Gang Li</b> (The Hong Kong Polytechnic University) <i>Printing Solar Energy via Solution Processible Semiconductors</i>
16:30-17:00	Contributed Talk: <b>Chia-Te Yen</b> (Institute of Nuclear Energy Research) <i>Characterization of Thermal Treatment Effect on the Performance of Spray-coated and Slot-die Coated Organic Photodetectors</i>
17:00	Closing Remark