China Photovoltaic Technology International Conference
CPTIC2017 Program

Plenary Session March 30, 2017 Conference Room: Multi-function Hall (3-5)			
Time	**Speaker**	**Institution**	**Title**
8:00 - 9:50	Opening speeches / Photography		
10:00-10:40	李振国 Zhenguo Li	LONGi Green Energy Technolog	
10:40-11:20	李永舫 Yongfang Li	Chinese Academy of Sciences	Side-Chain Engineering of Photovoltaic Materials for High Performance Nonfullerene Polymer Solar Cells
11:20-12:00	宋登元 Dengyuan Song	State key laboratory of photovoltaic material and technology	21.5%-efficient N-type Si bifacial solar cells with ion implanted back surface field
12:00-13:30	**Lunch Buffet**		

Symposium 1: Perovskite solar cells I
March 30, 2017 Conference Room: 2-5

Chairperson: Liyuan Han, Katz Eugene **Facilitator: Zhike Liu**

Time	Speaker	Institution	Title
13:30-13:50	韩礼元 Liyuan Han	National Institute for Materials Science, Tsukuba,	High Performance of Perovskite Solar Cells
13:50-14:05	Katz Eugene	Ben-Gurion University of the Negev	Accelerated testing of organic and perovskite photovoltaic materials and devices using concentrated sunlight
14:05-14:20	金盛烨 Shengye Jin	Dalian Institute of Chemical Physics	Carrier Dynamics in Organolead Halide Perovskites
14:20-14:35	王鸣魁 Mingkui Wang	Huazhong University of Science and Technology	High efficient photovoltaic based on perovskite solar cells
14:35-14:50	张京 Jing Zhang	Ningbo University	Energy band tuning in perovskite by element doping
14:50-15:05	荣耀光 Yaoguang Rong	Huazhong University of Science and Technology	Ambient-processed efficient and stable printable mesoscopic perovskite solar cells
15:05-15:20	骆群 Qun Luo	Suzhou Institute of Nano-Tech and Nano-Bionics, CAS	High Performance ITO-Free Flexible Perovskite Solar Cells and Semi-transparent Perovskite Solar Cells
15:20-15:35	于泽 Ze Yu	Dalian University of Technology	Low-Cost Hole-Transporting Materials for Efficient Perovskite Solar Cells
15:35-15:50	臧志刚 Zhigang Zang	Chongqing University	Performance Improvement of Perovskite Solar Cell by Employing CdSe Quantum Dot/PCBM Composite as Electron Transport Layer
15:50-16:05	Panpan Zhang	The Key Laboratory for Special Functional Materials of MOE	The preparation of inorganic p-type vanadium oxide thin film and the application for perovskite solar cells
16:05-16:15	**Coffee Break**		
Chairperson: Jianbin Xu, Tingli Ma, Yixin Zhao			**Facilitator: Wei Zhao**
16:15-16:35	许建斌 Jianbin Xu	The Chinese University of Hong Kong	Engineering of Chemical Coordination and Opto-Electronic Properties of High-Performance Perovskite Solar Cells

16:35-16:50	马廷丽 Tingli Ma	Dalian University of Technology	Progress of Pb-free perovskites and their application for solar cells
16:50-17:05	赵一新 Yixin Zhao	Shanghai Jiaotong University	Controllable Fabrication of High Quality Perovskites for Photovoltaic and Photoluminescence
17:05-17:20	杨冠军 Guanjun Yang	Xi'an Jiaotong University	Facile and scalable production of PSCs with efficiency of >20% using gas pump method in air
17:20-17:35	徐飞 Fei Xu	Shanghai University and Fudan University	Temperature-dependent photovoltaic characteristics and carrier transport mechanisms of planar organometal halide perovskite solar cells
17:35-17:50	赵晋津 Jinjin Zhao	Shijiazhuang Tiedao University	Photo-induced Ferroelectric Switching in Perovskite CH3NH3PbI3 Films
17:50-18:05	王树峰 Shufeng Wang	Peking University	The two photoproduct systems and the corresponding subgrain morphology in organolead trihalide perovskite
18:05-18:20	Lixia Ren	Northwestern Polytechnical University	Lateral photodetector based on LAO/MAPbI3 structure
18:20-18:30	魏清渤 Qingbo Wei	Shaanxi Normal University	Effective solvent-additive enhanced crystallization and coverage of absorber layers for high efficiency formamidinium perovskite solar cells
18:30-20:00	**Banquet**		

Symposium 2: Perovskite solar cells II
March 30, 2017 Conference Room: 2-6

Chairperson: Hongwei Han, Yabing Qi, Suhuai Wei **Facilitator: Kui Zhao**

Time	Speaker	Institution	Title
13:30-13:50	韩宏伟 Hongwei Han	Huazhong University of Science and Technology	Fully Printable Mesoscopic Perovskite Solar Cells
13:50-14:05	戚亚冰 Yabing Qi	Okinawa Institute of Science and Technology Graduate University OIST	A Surface Science Approach for Perovskite Material and Solar Cell Research

14:05-14:20	陈炜 Wei Chen	Huazhong University of Science and Technology	The Incorporation of Stable and Efficient Inorganic Charge Extraction Interfacial Materials into Perovskite Solar Cells
14:20-14:35	马万里 Wanli Ma	Suzhou University	Ligand Mediated Transformation of Cesium Lead Bromide Perov-skite to Lead Depleted Cs4PbBr6 Nanocrystals
14:35-14:50	Shibin Li	University of Electronic Science and Technology of China	High-efficiency Planar Perovskite Solar Cells with Negligible Hysteretic J-V Behavior
14:50-15:05	Watson Trystan	SPECIFIC, Swansea University	Addressing the challenges of scale-up for perovskite solar cells; from spin-coating to slot-die.
15:05-15:20	常晶晶 Jingjing Chang	Xidian university	Towards high performance perovskite solar cells by thin film morphology control strategies
15:20-15:35	Guangmei Zhai	Huazhong University of Science and Technology	Accelerated formation and improved performance of CH3NH3PbI3 based perovskite solar cells via solvent coordination and anti-solvent extraction
15:35-15:50	魏苏淮 Suhuai Wei	Beijing Computational Science Research Center	First-principles Study of Defect Control in Thin-film Photovoltaic Materials
15:50-16:05	潘旭 Xu Pan	Hefei Institute of Physical Science, Chinese Academy of Sciences	Preparation and Optimization of Materials for Efficient Perovskite Solar Cells
16:05-16:15	**Coffee Break**		
Chairperson: Yibing Cheng, Tom Wu, Jianxi Yao			**Facilitator: Kui Zhao**
16:15-16:35	程一兵 Yibing Cheng	Monash University	Microstructural characterisation of perovskite solar cells by transmission electron microscopy
16:35-16:50	Tom Wu	KAUST	Efficient Charge Transporters for Hybrid Perovskite Optoelectronics
16:50-17:05	姚建曦 Jianxi Yao	North China Electric Power University, Beijing	Reduction of the Carriers Recombination in Planar-Structured Perovskite Solar Cells via Vapor- Assisted Solution Process
17:05-17:20	陈永华 Yonghua Chen	Nanjing Tech University	Management of Perovskite Intermediates for Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells
17:20-17:35	胡劲松 Jinsong Hu	Chinese Academy of Science	On-Chip Fabrication of Thickness-Adjustable Perovskite Single-Crystalline Thin Films
17:35-17:50	黄福志 Fuzhi Huang	Wuhan University of Technology	Toward large-scale fabrication of flexible perovskite solar cells via a solution process

17:50-18:05	Xiaolu Zheng	Wuhan University	Enhanced performance and stability for planar perovskite solar cells with a facile molecularly engineered copper II phthalocyanine as hole transport
18:05-18:20	贾春阳 Chunyang Jia	University of Electronic Science and Technology of China, Chengdu	Modifications of Perovskite and Hole-transporting Layers for High Efficiency Perovskite Solar Cells
18:20-18:30	Yong Li	Soochow University	High Performance Planar-Heterojunction Perovskite Solar Cells Using Amino-based Fulleropyrrolidine as the Electron Transporting Material
18:30-20:00	**Banquet**		

Symposium 3: Organic Solar Cells
March 30, 2017 Conference Room: 3-6

Chairperson: Licheng Sun, Qingdong Zheng, Martyn McLachlan **Facilitator: Dapeng Wang**

Time	Speaker	Institution	Title
13:30-13:50	孙立成 Licheng Sun	Dalian University of Technology	New organic hole-transporting materials for efficient perovskite solar cells and solid state dye-sensitized solar cells
13:50-14:10	郑庆东 Qingdong Zheng	Chinese Academy of Sciences, Fujian	Material design and interface engineering for high-performance polymer solar cells
14:10-14:25	Martyn McLachlan	Imperial College London	Controlling structure, composition and electronic properties of interlayers and electrode materials in organic electronics
14:25-14:40	葛子义 Ziyi Ge	Chinese Academy of Sciences	Interfacial Engineering for Highly Efficient Organic Solar Cells
14:40-14:55	唐建新 Jianxin Tang	Soochow University	Polymer Solar Cell with Synergistic Light Harvesting Enhancement
14:55-15:10	万相见 Xiangjian Wan	Nankai University	Small molecules based high efficiency organic tandem cells
15:10-15:25	郭旭岗 Xugang Guo	South University of /Science and Technology of China	Design and Synthesis of Polymer Semiconductors for High-Performance Polymer Solar Cells

15:25-15:40	李美成 Meicheng Li	North China Electric PowerUniversity	Interfacial Modification of the Novel Hybrid Solar Cells
15:40-15:55	胡林华 Linhua Hu	Chinese Academy of Sciences	Submicrospheres Based Photoelectrode and its Application in Solar Cells
15:55-16:10	李昌治 Changzhi Li	Zhejiang University	Solution-Processible Conductive Organics for Efficient Polymer and Perovskite Solar Cells
16:10-16:20	**Coffee Break**		
Chairperson: Hongzheng Chen, Jian Zhang			**Facilitator: Jiaxing Jiang**
16:20-16:40	陈红征 Hongzheng	Zhejiang University	Small molecule electron acceptors for non-fullerene organic solar cell applications
16:40-17:00	张坚 Jian Zhang	Guilin University of Electronic Technology	Solution-processed interface dipole layers for organic solar cells
17:00-17:15	周惠琼 Huiqiong Zhou	National Center for nanoscience and technology	Interfacial Modification on organic solar cells
17:15-17:30	解增旗 Zengqi Xie	South Chnia University of Technology	Electron extraction enhancement by cathode interlayer engineering in polymer solar cells
17:30-17:45	郭鑫 Xin Guo	Chinese Academy of Sciences	Respective doping into hole transporting layer and into perovskite film for improved device stability
17:45-18:00	鲁广昊 Guanghao Lu	Xi'an Jiaotong University	Film-depth-related Exciton Generation in Polymer Donor: acceptor Solar Cells
18:00-18:15	路新慧 Xinhui Lu	The Chinese University of Hong Kong	Morphology Compatibility of High-Performance Ternary Organic Bulk Heterojunction Solar Cells
18:15-18:30	郝晓涛 Xiaotao Hao	Shandong University	Visualizing Photophysical Dynamics in Heterogeneous Polymer Films for Organic Solar Cells
18:30-20:00	**Banquet**		

Symposium 4: crystalline silicon solar cells
March 30, 2017 Conference Room: 3-3

Chairperson: Qi Wang, Baoquan Sun **Facilitator: Fei Gao**

Time	Speaker	Institution	Title
13:30-13:50	王琦 Qi Wang	Jinko Solar	PV technologies march toward the grid parity
13:50-14:10	孙宝全 Baoquan Sun	Soochow University	Charge Transfer in Organic/Silicon Heterojunciton
14:10-14:30	Sebastian Gatz	Meyer Burger Germany AG	Symposium I. Crystalline silicon: materials, processes, and technologies>23% efficient Silicon heterojunction solar cells applying
14:30-14:50	杨喜平 Xiping Yang	California State University, Northridge	N-Type Bificial Solar Cell and the Key Technologies
14:50-15:05	杨智 Zhi Yang	泰州中来光电科技有限公司	中来高效高可靠光伏产品发展与应用公司介绍
15:05-15:20	黄海宾 Haibin Huang	Nanchang University	An economical high efficiency bifacial HAC solar cell
15:20-15:35	苏晓东 Xiaodong Su	Soochow University	Next-generation multi-crystalline silicon solar cells: Diamond-wire sawing, nano-texture and high efficiency
15:35-15:50	张良 Liang Zhang	Ideal Deposition Equipment and Applicationsshanghailtd.	Introduction of batch in-line ALD for Al2O3 deposition from Ideal Deposition Equipment and Applications
15:50-16:05	Hong Wang 王鸿	Ideal Energy Equipment (Shanghai) Co.,Ltd.	40MHz frequency，0.3S plasma stabilization time. Mass product PECVD equipment for a-Si in HJ Solar Cell
16:05-16:15	**Coffee Break**		

Chairperson: Zhengxin Liu, Rui Jia **Facilitator: Fei Gao**

16:15-16:35	刘正新 Zhengxin Liu	Shanghai Institute of Microsystem and Information Technology (SIMIT)	Impact of n-type silicon wafer quality on SHJ solar cells

16:35-17:55	Rui Jia	the Institute of Microelectronics of the Chinese Academy of Sciences	The Performances of Heterojunction Interdigitated Back-contact HBC Solar Cell With Intrinsic Amorphous Silicon As Front Surface Passivation Layer
17:55-17:15	余学功 Xuegong Yu	Zhejiang University	Light-induced degradation of crystalline silicon solar cells
17:15-17:35	袁星光 Xingguang Yuan	Gebr. Schmid GmbH	Multi-Busbar Connector | MBC |
17:35-17:50	杨黎飞 Lifei Yang	GCL System Integration Technology Co., Ltd.	Silicon Heterojunction Solar Cells: Towards High Efficiency and Low Cost
17:50-18:05	董刚强 Gangqiang Dong	Hanergy Thin Film Power Group, Chengdu R&D Center	Development of High Efficiency and Low Cost Silicon Heterojunction Solar Cells for Mass Production
18:05-18:20	訾威 Wei Zi	Shaanxi Normal University	Decreasing parasitic absorption in silicon heterojunction solar cell
18:30-20:00	**Banquet**		

Symposium 5: PV materials and technology
March 30, 2017 Conference Room: 2-7

Chairperson: Tian Xie **Facilitator: Jia Liu**

Time	Speaker	Institution	Title
13:30-13:55	강병창 ByungChang Kang	OCI Company Ltd.	OCI's Polysilicon Manufacturing Technologies
13:55-14:10	Kwang Ho Lee	Hanwha Chemical Corporation	多晶硅市场展望
14:10-14:25	Erich Dornberger	Wacker, Inc.	High Purity Silicon is a Key Factor for Solar Cell Efficiencies Beyond 20%
14:25-14:40	姚公达 Gongda Yao	Daqo New Energy	Status Quo and Outlook for China Solar Polysilicon Industry

14:40-14:55	廖寄乔 Jiqiao Liao	Central South University	Carbon/Carbon composites applied in Photovoltaic fields
14:55-15:10	Dirk Muetzenich	SGL CARBON GmbH	Graphite materials used in the Photovoltaic value chain
15:10-15:25	张灵玉 LingYu Zhang	xi'an chaoma technology co,ltd.	炭/炭复合材料在光伏领域的应用
15:25-15:40	薛向军 Xiangjun Xue	Haoshi carbon fiber	碳素热场材料技术创新与光伏应用
15:40-15:55	曲东升 Dongsheng Qu	Yangling Metron New Material Co., Ltd.	电镀金刚线技术及未来发展趋势
15:55-16:15	**Coffee Break**		
Chairperson: Tian Xie			**Facilitator: Hua Xu**
16:15-16:40	王一淳 Yichun Wang	LONGi Green Energy Technolog	Multi-GW mono wafer supply with low-cost & high-efficiency
16:40-17:00	Youngjin YOOK	R&D Center, WoongjinEnergy Co. Ltd.	High Quality Silicon Ingot for Higher Efficiency Solar Cells
17:00-17:20	Yantao Gao	Apllied material	Precision wafer inspection improving the cell yield and lower the CoO
17:20-17:40	Ferenc Korsós	Semilab Co., Ltd.	Carrier lifetime metrology solutions for mono-Si solar cell production
17:40-18:00	Pierre-Jean Ribeyron	Institut National de l'Energie Solaire INES	Identification of ultimate defects in Czochralski Silicon wafers and strategies for their avoidance/suppression for high efficiency solar cells
18:00-18:20	黎志欣 Zhixin Li	Linton Machine	金刚线硅片切割技术发展趋势及单晶及多晶光伏硅片的比较优势
18:20-20:00	**Banquet**		

Symposium 6: CIGS-CZTS solar cells
March 30, 2017 Conference Room: 3-7

Chairperson: Jian Ding, Haijun Jia **Facilitator: Wangeng Zhao**

Time	Speaker	Institution	Title
13:30-13:55	童翔 Xiang Tong	Hanergy Holding Group Ltd. Beijing, China	Recent Development and Industrialization Progress in High Efficiency Thin-film Solar Cells
13:55-14:15	刘芳洋 Fangyang Liu	Central South University	Light bias-dependent External Quantum Efficiency of Kesterite Cu2ZnSnS4 Solar Cells
14:15-14:35	林显忠 Xianzhong Lin	Sun Yat-sen University, Guangzhou	Drop-on-demand Inkjet Printing Technology for Compound Semiconductor Photovoltaics
14:35-14:55	韩安军 Anjun Han	Chinese Academy of Sciences	Improvement of Ga accumulation in CuIn, GaS, Se2 film by pre-sulfurized and selenized Mo back contacts in two-step selenization process
14:55-15:15	刘晓茹 Xiaoru Liu	Nankai University	Efficiency improvement of ZnO,S/CZTSe Heterojunction Solar Cell by etching and annealing method
15:15-15:35	付俊杰 Junjie Fu	Henan University	A Band-Gap-Graded AgxCu1–x2ZnSnS.Se4 Solar Cell with 7.9% Efficiency
15:35-15:55	毕金莲 Jinlian Bi	Nankai University	Influence of Cu content on Ga diffusion of CIGSe prepared by post-selenization of electrode-posited Cu/In/Ga precursors
15:55-16:05	**Coffee Break**		

Chairperson: Yun Sun, Sixin Wu **Facilitator: Ruibin Jiang**

16:05-16:30	孙云 Yun Sun	Nankai University	Alkalis doping for high efficiency CIGS thin film solar cells
16:30-16:50	武四新 Sixin Wu	Henan University	Efficiency enhancement of CZTSSe solar cells by cation substitution
16:50-17:10	杨春雷 Chunlei Yang	the Chinese University of Hong Kong	High Efficiency CuInGaSe2 thin film solar cells: device fabrication and its grain boundary physics

17:10-17:30	田庆文 Qingwen Tian	Henan University	Fabrication of Cu2ZnSnS,Se4 thin film solar cells using low-toxic routes
17:30-17:50	赵祥云 Xiangyun Zhao	Henan University	CZTSSe Thin Film Solar Cells Fabricated from Elemental Powders
17:50-18:10	闵雪 Xue Min	Chinese Academy of Sciences	Highly Efficient Cu2ZnSnS,Se4 Solar Cells Fabricated by Low-Toxic Solution Methods
18:10-18:30	赵雲 Yun Zhao	Chinese Academy of Sciences	Enhancing open circuit voltage of Cu2ZnSnS,Se4 solar cells with Ag substitution by solution method
18:30-20:00	**Banquet**		

Symposium 7: High efficiency CdTe-like solar cells
March 30, 2017 Conference Room: 3-2

Chairperson: Jiang Tang, Tao Chen, Jinghui Zeng **Facilitator: Bin Liu**

Time	Speaker	Institution	Title
13:30-13:55	唐江 Jiang Tang	Huazhong University of Science and Technology	Sb2Se3 thin film photovoltaics: motivation, progress and perspective
13:55-14:15	陈涛 Tao Chen	MSE, University of Science and Technology of China	Solution Processing of Sb2S1-xSex3 Films for Solar Cell Application
14:15-14:35	李志强 Zhiqiang Li	Hebei University	Fabrication of Sb2Se3 thin-film solar cells by the co-evaporation of Se and Sb2Se3
14:35-14:55	李佳佳 Jiajia Li	Chinese Academy of Sciences	Cu3BiS3 thin film as a Promising Earth-Abundant Photovoltaic Absorber Material
14:55-15:15	薛丁江 Dingjiang Xue	Chinese Academy of Sciences	GeSe Thin-Film Solar Cells
15:15-15:35	李康华 Kanghua Li	Huazhong University of Science and Technology HUST	Stable ZnO/Sb2Se3 solar cells with 6% efficiency
15:35-15:55	宋海胜 Haisheng Song	Huazhong University of Science and Technology	Efficient Planar Antimony Sulfide Thin-Film Photovoltaics

15:55-16:15	Hongqiang Wang	Northwestern Polytechnical University	Unconventional Thermal Engineerig of Photoconversion Nanomaterials
16:15-16:25	**Coffee Break**		
Chairperson: Dechun Zou, Deliang Wang			**Facilitator: Xinbing Chen**
16:25-16:50	邹德春 Dechun Zou	Peking University	Efficient Fiber-shaped Devices for Energy Conversion and Storage
16:50-17:10	王德亮 Deliang Wang	University of Science and Technology of China	Fabrication of high efficient thin film CdTe solar cells and device performance under high- and low-intensity light irradiance
17:10-17:30	李孝峰 Xiaofeng Li	Soochow University	Opto-electro-thermal simulation of solar cells
17:30-17:50	揭建胜 Jiansheng Jie	Soochow University	Two-Dimensional Layered Materials/Semiconductor 2D-3D Heterojunctions for Energy and Optoelectronic Applications
17:50-18:10	刘洪 Hong Liu	Shanghai Jiao Tong University	Controllable Fabrication and Manipulation of Functional Nanostructure Materials via Electrochemical Approach
18:30-20:00	**Banquet**		

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Plenary Session March 31, 2017 Conference Room: Multi-function Hall (3-5)			
Chairperson: Hongwei Han, Qi Wang, Shengzhong Liu			
Time	**Speaker**	**Institution**	**Title**
8:00-8:40	Michael Gratzel	Swiss Federal Institute of Technology switzerland	Molecular Photovoltaics and Perovskite Solar Cells
8:40-9:15	杨立友 Liyou Yang	Jinergy CEO	Technological Progress in PV Mass Production-Toward Grid Parity
9:15-9:50	杨德仁 Deren Yang	Zhejiang University	Progress in multicrystalline silicon ingot and wafer

Symposium 1: Perovskite Solar Cells I
March 31, 2017 Conference Room: 2-5

Chairperson: Xiaodan Zhang, Wallace C.H. Choy **Facilitator: Junqing Yan**

Time	Speaker	Institution	Title
10:00-10:20	张晓丹 Xiaodan Zhang	Nankai University	Multi-junction Solar Cells
10:20-10:35	蔡植豪 Wallace C.H.	The University of Hong Kong	New low-temperature approach for forming high performance CH3NH3PbI4 solar cells with good productivity and stability
10:35-10:50	匡代彬 Daibin Kuang	Sun Yat-sen University	Halide Perovskite Single crystal for efficient optoelectronic applications
10:50-11:05	钟杰 JieZhong	Wuhan University of Technology	Optimized sol-gel Zr/TiO2 for efficient planar perovskite solar cells
11:05-11:20	金钟 Zhong Jin	Nanjing University	High-Stability Perovskite Solar Cells and Integrated Self-Powering Energy De
11:20-11:35	彭勇 Yong Peng	Wuhan University of Technology	High efficiency flexible perovskite solar cell sub-module with improved stability
11:35-11:50	梁晓光 Xiaoguang	City University of Hong Kong	Self-Assembly of Crystalline, Large-Area and Periodicity-Tunable TiO2 Nanotube Arrays for Perovskite Solar Cells
11:50-12:05	Jiajiu Ye	Hefei Institute of Physical Science, Chinese Academy of Sciences	Enhanced morphology and stability of high-performance Perovskite Solar Cells with ultra-smooth surface and high fill factor via crystal growth
12:05-13:30	**Lunch Buffet**		
Chairperson: Qingbo Meng, Baomin Xu			**Facilitator: Dong Yang**
13:30-13:50	孟庆波 Qingbo Meng	Chinese Academy of Sciences	Interface engineering and charge transport investigation of the perovskite solar cells
13:50-14:10	徐保民 Baomin Xu	Southern University of Science and Technology	Fabrication of High-Efficiency and Stable Perovskite Solar Cells

14:10-14:30	吴春桂 Chungui Wu	National Central University	A process to high efficiency stable perovskite solar cell and module
14:30-14:50	何祝兵 Zhubing He	South University of Science and Technology of China	Interface engineering and doping for planar perovskite heterojunction solar cells
14:50-15:05	Aram Amassian	KAUST Solar Center KSC	Hybrid perovskite Solar Cells: Controlling the crystallization behavior from lab to fab
15:05-15:20	Feng Wang	Linköping	Surface passivation to improve the efficiency and stability of perovskite solar cells
15:20-15:35	丁毅 Yi Ding	Nankai University	Elucidating the Role of Chlorine in Perovskite Solar Cells
15:35-15:50	武建昌 Jiangchang Wu	Southern University of Science and Technology	Novel Simple Thiophene and Benzene-Based Hole-Transporting Materials for Perovskite Solar Cells
15:50-16:05	周贤勇 Xianyong Zhou	Southern University of Science and Technology	Inverted Planar Heterojunction Lead Acetate-based Perovskite Solar Cells with Efficiency Exceeding 19% Realized via Crystallization Engineering
16:05-16:15	**Coffee Break**		
Chairperson: Jingbi You, Omar Mohammed，Haiming Zhu			**Facilitator: Dong Yang**
16:15-16:35	游经碧 Jingbi You	Institute of Semiconductor	Efficient Planar Perovskite Solar Cells
16:35-16:50	Omar Mohammed	KAUST Solar Center, Division of Physical Sciences and Engineering, KAUST	Mapping Carrier Dynamics on Semiconductor Material Surfaces and at Interfaces using Laser Spectroscopy and 4D Electron Microscopy
16:50-17:05	朱海明 Haiming Zhu	Zhejiang University	Exceptional Excited State Dynamics in Lead Halide Perovskites for Light Emission and Solar Energy Conversion Applications
17:05-17:20	范建东 Jiandong Fan	Jinan University	Highly-Orientated Perovskite Thin Films toward Thermally Stable and Efficient Solar Cells
17:20-17:35	熊良斌 Liangbin Xiong	Wuhan university	Performance enhancement of high temperature SnO2-based planar perovskite solar cells: electrical characterization and understanding of the
17:35-17:50	冉晨鑫 Chenxin Ran	Xi’an Jiaotong University	Tin and Bismuth-Based Lead-Free Perovskite Solar Cell by Advanced Film Fabrication Strategies
17:50-18:05	张小曼 Xiaoman Zhang	Henan University	Gold Nanorods Electrically Modified Absorber/HTL Interface for Efficient Perovskite Solar cells

18:05-18:20	刘治科 Zhike Liu	Shaanxi Normal University	Enhancing Efficiency and Stability of Perovskite Solar Cells through Nb-Doping of TiO2 at Low Temperature
18:30-20:00	**Dinner Buffet**		

Symposium 2: Perovskite Solar Cells II
March 31, 2017 Conference Room: 2-6

Chairperson: Bingwei Mao, Guojia Fang **Facilitator: Qian Wang**

Time	Speaker	Institution	Title
10:00-10:20	毛秉伟 Bingwei Mao	Xiamen University	Spectroscopic Investigation of Hybrid Perovskite Single Crystals, Thin Films and Solar Cells
10:20-10:40	方国家 Guojia Fang	Wuhan University	Performance Enhancement of Perovskite Solar Cells with SnO2 Electron Transport Layer
10:40-11:00	沈青 Qing Shen	The University of Electro-Communications	Effects of Interface Engineering on Photoexcited Carrier Dynamics and Photovoltaic Performance in Perovskite Solar Cells
11:00-11:20	Lucio Cinà	Cicci research s.r.l.	Degradation mechanisms in Perovskite based device: correlation between steady-state and dynamic measurements
11:20-11:35	魏展画 Zhanhua Wei	The Hong Kong University of Science & Technology	Interface Engineering in Carbon-based Perovskite Solar Cell
11:35-11:50	Long Zhou	Xidian University	Hybrid perovskites CH3NH3In:PbI3 for photovoltaics: Insights from first principles and experiment
11:50-12:05	Zhou Yang	Shaanxi Normal University	Single-Crystalline CH3NH3PbX3: Grwoth, Properties and Application
12:05-13:30	**Lunch Buffet**		

Chairperson: Guozhong Cao, Lixin Xiao			**Facilitator: Kui Zhao**
13:30-13:50	Guozhong Cao	University of Washington	Control and Understand the Impacts of Nano and Microstructures on Perovskite Solar Cell Performance
13:50-14:05	萧立新 Lixin Xiao	Peking University	A hydrophobic hole transporting system to improve moisture stability of perovskite solar cells
14:05-14:20	Huanping Zhou	Peking University	The Material Growth and Defect Understanding in Hybrid Perovskite Solar Cells
14:20-14:35	Steffen Duhm	Soochow University	Energy-Level Alignment of Lead Halide Perovskites with Organic Semiconductors
14:35-14:50	田文晶 Wenjing Tian	Jilin Univeristy	High efficient perovskite solar cell based on the interfacial modification of cathode
14:50-15:05	阳军亮 Junliang Yang	Central South University	Interface Modification and Roll-to-Roll Printing for Organic and Perovskite Thin Film Solar Cells
15:05-15:20	赵奎 Kui Zhao	Shaanxi Normal University	High performance and stable layered perovskite solar cells
15:20-15:35	李金华 Jinhua Li	Hubei Univerisity	High performance planner perovskite solar cells with ZnO electron transport layer
15:35-15:50	王照奎 Zhaokui Wang	Soochow University	Crystallization Engineering for High-Performance Planar Perovskite Solar cells
15:50-16:05	漆奇 Qi Qi	Beijing Elite Tech Co., Ltd	Perovskite Solar Cells and Their Anti-humidity Properties
16:05-16:15	**Coffee Break**		
Chairperson: Jianpu Wang, Osman Bakr			**Facilitator: Zhou Yang**
16:15-16:35	Osman Bakr	KAUST Solar Center, Division of Physical Sciences and Engineering, KAUST	Lead Halide Perovskites of Different Dimensionalities: Growth, Properties, and Applications in Optoelectronics
16:35-16:50	王建浦 Jianpu Wang	Nanjing Tech University	Perovskite Light-Emitting Diodes based on Solution-Processed, Self-Organized Multiple Quantum Wells
16:50-17:05	严清峰 Qingfeng Yan	Tsinghua University	Growth and Anisotropic Moisture Erosion of CH3NH3PbI3 Bulk Single Crystal

17:05-17:20	林红 Hong Lin	Tsinghua University	Perovskite Solar Cells with Carbon Nanomaterials
17:20-17:35	郝玉英 Yuying Hao	Hong Kong Baptist University	High efficiency planar Sn-Pb binary perovskite solar cells: Controlled growth of large grains via one-step solution fabrication process
17:35-17:50	万丽 Li Wan	Hubei University	Effect of rutile-TiO2 nanorod arrays on Pb-free CH3NH33Bi2I9- based hybrid perovskite solar cells fabricated through two- step sequential solution
17:50-18:05	Yanxia Cui	Taiyuan University of Technology	Synthesis of Different Sized Perovskite Nanoplatelets with Narrowing in Photoluminescent Spectra under Micro-scale Excitation
18:05-18:20	Qingfeng Dong	Jilin University	Co-Planar Single-Crystal Hybrid Perovskite Solar Cells
18:30-20:00	**Dinner Buffet**		

Symposium 3: Organic Solar Cells
March 31, 2017 Conference Room: 3-6

Chairpersons: Yanchun Han, Xiaowei Zhan **Facilitator: Ziwei Deng**

Time	Speaker	Institution	Title
10:00-10:20	韩艳春 YanChun Han	Changchun Institute of Applied Chemistry	All Conjugated Polymer Solar Cells: Blends Morphology and the Molecular Orientations at the Interface
10:20-10:40	占肖卫 Xiaowei Zhan	Peking University	Design of Fused-Ring Electron Acceptors for Highly Efficient Organic Solar Cells
10:40-10:55	周印华 Yinhua Zhou	Huazhong University of Science and Technology	Organic and perovskite solar cells with conducting polymer electrodes
10:55-11:10	叶轩立 Hin-Lap Yip	South China University of Technology	Interface and Tandem Design for High Performance Polymer Solar Cells
11:10-11:25	周二军 Erjun Zhou	National Center for Nanoscience and Technology	Design and synthesis of n-type photovoltaic materials

11:25-11:40	马伟 Wei Ma	Xi'an Jiaotong University	The Influence of Mixed Phases in High Performance Non-Fullerene Solar Cells
11:40-11:55	马昌期 Changqi Ma	Suzhou Institute of Nano-Tech and Nano-Bionics, CAS	Intrinsic Degradation Behavior of Polymer Solar Cells: Influence of External Load and Thermal Stress
11:55-13:30	**Lunch Buffet**		
Chairperson: Jianhui Hou, Gang Li			**Facilitator: Xuexia He**
13:30-13:50	侯剑辉 Jianhui Hou	Institute of Chemistry, Chinese Academy of Sciences	Energy Level Modulation of Small Molecule Electron Acceptors to Achieve Over 12% Efficiency in Polymer Solar Cells
13:50-14:10	Gang Li	Hong Kong Polytechnic University	Tandem solar cells enabled by solution processible semiconductors
14:10-14:30	杨上峰 Shangfeng Yang	University of Science and Technology of China	Application of Novel Fullerene Derivatives as Cathode Interfacial Layers of Polymer Solar Cells
14:30-14:45	Chen Dazheng	Xidian University	Interface engineering for highly efficient organic solar cells
14:45-15:00	谭占鳌 Zhan'ao Tan	North China Electric Power University	Interface engineering and vertical concentration controlling for high performance polymer solar cells
15:00-15:15	魏志祥 Zhixiang Wei	National Center for Nanoscience and Technology	Ternary blends for large area flexible organic solar cells
15:15-15:30	朱俊 Jun Zhu	Hefei Institutes of Physical Science, Chinese Academy of Sciences	Optimization of Materials and Interfaces for Nano Hybrid Solar Cells
15:30-15:45	陈令成 Lingcheng Chen	Dalian University of Technology	The Perylene Diimides Polyploids: The Efficient Synthesis and their non-Fullerence Organic Solar Cells
15:45-16:00	杨春燕 Chunyan Yang	Lanzhou Jiaotong University	Inverted polymer solar cells using CdS fabricated by thermal decomposition of cadmium xanthate precursor as electron transporting layer
16:00-16:15	傅平 Ping Fu	Dalian Institute of Chemical Physics	Achieving 10.5% Efficiency for Inverted Polymer Solar Cells by modifying ZnO Cathode / Interlayer with Phenols
16:15-16:25	**Coffee Break**		

Chairperson: Weiqiao Deng, Jun Liu			Facilitator: Xuediao Cai
16:25-16:45	邓伟侨 Weiqiao Deng	Dalian Institute of Chemical Physics	First Principles Design of Solar Cell Materials
16:45-17:05	刘俊 Jun Liu	Changchun Institute of Applied Chemistry Changchun	Polymer Electron Acceptors Containing B←N Unit For All Polymer Solar Cells
17:05-17:20	孙艳明 Yanming Sun	Beihang University	High-Performance Ternary Organic Solar Cells
17:20-17:35	张渊 Yuan Zhang	Beihang University	Electron Transport and Photocurrent in Solution-Processed Trap-Free Semiconductors N-Doped with an Air-Stable Organometallic Dimer
17:35-17:50	阳仁强 Renqiang Yang	Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy	Improved Photovoltaic Performance of Polymer Solar Cells by Employing Symmetry-Breaking Strategy
17:50-18:05	朱卫国 Weiguo Zhu	Changzhou University	Asymmetric indenothiophene and thienoisochromene donor units for high-performance donor–acceptor photovoltaic polymers
18:05-18:20	向万春 Wanchun Xiang	Wuhan University of Technology	Improved air stability of perovskite hybrid solar cells via blending / polydimethylsiloxane-Urea copolymer
18:20-18:35	何凤 Feng He	South University of Science and Technology of China	Chlorination of the Conjugated Polymer: Towards Efficient Solar Energy Conversion
18:35-20:00	**Dinner Buffet**		

Symposium 4: Crystalline Silicon Solar Cells
March 31, 2017 Conference Room: 3-3

Chairperson: Wenjing Wang, Yaohua Mai			Facilitator: Wei Zi
Time	**Speaker**	**Institution**	**Title**
10:00-10:20	王文静 Wenjing Wang	University of Chinese Academy of Sciences	The research progress of TOC in HIT sola cell

10:20-10:40	麦耀华 Yaohua Mai	Jinan Uinversity	High quality silicon surface passivation by polystyrenesulfonate thin films
10:40-11:00	Hajime Shirai	Saitama Univeristy	1.Solution processed PEDOT:PSS/crystalline Si heterojunction solar cells 2.Chemistry of mist deposition of organic polymer PEDOT:PSS on
11:00-11:20	钟思华 Sihua Zhong	Shanghai Jiao Tong University	Design and fabrication of highly efficient Si nanostructures textured solar cells
11:20:11:40	Yue Zhang	Beijing University of Technologh	Influence of the thickness of doped amorphous silicon layers on the performance of n-type hetero-junction solar cells: a simulation study
11:40-12:00	张振昊 Zhenhao Zhang	SINGULUS TECHNOLOGIES AG, Kahl am Main, Germany	Starting a New Era in PV Manufacture in China: Introduction and Optimization of Key Equipments for Mass Production of Highly Efficient
12:00-13:30	**Lunch Buffet**		
Chairperson: Wenzhong Shen, Fengzhen Liu			**Facilitator: Xisheng Zhang**
13:30-13:50	沈文忠 Wenzhong Shen	Shanghai Jiaotong University	Bridging scientific research and industry: Research progress on industrial crystalline silicon solar cells at SJTU
13:50-14:10	刘丰珍 Fengzhen Liu	University of Chinese Academy of Sciences	New type Si based heterojunction solar cells —nanostructure light trapping, interface optimization and carriers collection
14:10-14:30	Pierre-Jean Ribeyron	Institut National de l'Energie Solaire INES	On the development of silicon heterojunction bifacial technology up to the industrial level at CEA-INES: Our vision towards 24% efficient solar cells
14:30-14:50	高平奇 Pingqi Gao	Ningbo Institute of Material Technology and Engineering Chinese Academy of Sciences	Efficient Silicon Solar Cells with Carrier-selective Passiviting-contacts
14:50-15:05	刘奇明 Qiming Liu	Lanzhou University	Solution-processed Back-contact PEDOT:PSS/c-Si Heterojunction Solar Cells
15:05-15:20	何永才 Yongcai He	Beijing University of Technology	High-Performance ITO Film for Advanced Silicon Heterojunction Solar Cells
15:20-15:35	魏一 Yi Wei	Dalian University of Technology	All screen-printed IBC silicon solar cells with aluminum-alloyed emitter
15:35-15:50	陈洪野 Chen Hongye	苏州赛伍应用技术有限公司 CTO	The study of optical to improve the module outpower
15:50-16:05	朱锋 Feng Zhu	FE ThinFilms LLC, 7318 S Revere Pkwy, Centennial, CO 80112, USA	The control of grains size and orientation in silicon thin film

16:05-16:15	**Coffee Break**		
Chairperson: Jun Lv, Lang Zhou			**Facilitator: Xisheng Zhang**
16:15-16:35	吕俊 Jun Lv	LONGi Solar	Advanced PV technology of Bifacial PERC
16:35-16:55	周浪 Lang Zhou	Nanchang University	On the origin of and the solutions to texturization problem of diamond wire sawn silicon surfaces
16:55-17:15	Teresa S. Ripolles	Hibikino wakamatsuku, Kitaksyushu 808-0196	Enhancement of efficiency for perovskite solar cells consisting of Sn from view point of interfacial and crystal architecture
17:15-17:35	Ziheng Liu	University of New South Wales	Defect density reduction in Ge hetero-epitaxy by diode laser treatment, towards a cost-effective substrate for high efficiency III-V solar cells
17:35-17:50	张林睿 LinRui Zhang	Beijing University of Technology	The Effect of Inverted Pyramidal Trapped Structure on the Optical Properties of Crystalline silicon solar cell
17:50-18:05	Shaoqing Xiao	Department of Electronic Engineering, Jiangnan University	Low-temperature plasma processing for Si photovoltaics
18:05-18:20	张喜生 Xisheng Zhang	Shaanxi Normal University	Improved PEDOT:PSS/c-Si hybrid solar cell using inverted structure and effective passivation
18:30-20:00	**Dinner Buffet**		

Symposium 5: PV Materials and Technology
March 31, 2017 Conference Room: 2-7

Chairperson: Lijun Liu, Zhongquan Ma			**Facilitator: Guohua Huang**
Time	**Speaker**	**Institution**	**Title**
10:00-10:25	刘立军 Lijun Liu	Xi'an Jiaotong University	Control of oxygen in a continuous-feeding Czochralski-silicon crystal growth with double crucibles

10:25-10:45	马忠权 Zhongquan Ma	Shanghai University	Quantum selective tunneling in Si-based high efficient heterojunction solar cells
10:45-11:05	张俊刚 Jungang Zhang	Shanghai Transcom Scientific Co., Ltd.	The Challenges of Domestic Front Silver Paste
11:05-11:25	张传吉 Chuanji Zhang	Zhejiang Dilong Optoelectronic Material Co., Ltd	Domestic EVA film for Photovoltaic grid parity
11:25-11:45	李早阳 Zaoyang Li	Xi'an Jiaotong University	oral-Directional solidification of multi-crystalline silicon ingots with different crucible physical properties for solar cells
11:45-12:05	Guoan Tai	Nanjing University of Aeronautics and Astronautics	Large-Area Synthesis and Device Application of Two-Dimensional Atomic Crystals on Metal Substrates
12:05-13:30	**Lunch Buffet**		
Chairperson: Hong Yang, Zhiyuan An			**Facilitator: Fengwei Xiao**
13:30-13:55	Hong Yang	Xi’an Jiaotong University	Performance degradation of crystalline silicon solar modules affected by potential induced degradation in photovoltaic power plant
13:55-14:15	安志远 Zhiyuan An	Xidian University	Zinc Oxide Thin-Film Transistor by Al Doping and Its Transistor Performance
14:15-14:35	Ruizhi Peng	Xidian University	Al-doped Zinc Oxide Thin Film Transistor Utilized Solution-Processed Method at Different Annealing Temperature
14:35-14:55	Jingjing Ren	Xi’an Technological University	Segmented Hydrothermal Synthesis and Desulfurization Performance of La Ⅲ Modified TiO2 Hollow Spheres
14:55-15:15	高斐 Fei Gao	Shaanxi Normal University	Important factors and their sequence for affecting the performance of Si HIT solar cell
15:15-15:35	王晓峰 Xiaofeng Wang	Jilin University	Chlorophyll derivatives as functional material for next generation photovoltaic cells
15:35-15:55	贾晓洁 Xiaojie Jia	University of Chinese Academy of Sciences	Potential-Induced Degradation Leads to the Destruction of SiNx/Si Interface
15:55-16:15	**Coffee Break**		

Chairperson: Baojie Yan, Xiaodong Zhang			Facilitator: Fengwei Xiao
16:15-16:40	闫宝杰 Baojie Yan	Nankai University	Amorphous and Microcrystalline Thin Film Silicon Materials and Application in Photovoltaic Solar Energy
16:40-17:00	Xinke Wang	Ablestik Shanghai LTD., Henkel	High conductivity and high adhesion screen-printable Ag inks for low temperature metallization of crystalline silicon heterojunction solar cells
17:00-17:20	孙韵林 Yunlin Sun	Shun De SYSU Institute for Solar Energy	Total-Life-Cycle TLC Profit Guarantee of PV Plant
17:20-17:40	Xiaofang Qi	Xi'an Jiaotong University	Analysis of W-shaped melt-crystal interface formation for large-size multi-crystalline silicon ingots
17:40-18:00	Xiaodong Zhang	Shaanxi Coal Chemical Industry Technology Research Institute Co.,Ltd	Study on the Properties of Novel ITO and AgNW Composite Transparent Conductive Films
18:30-20:00	**Dinner Buffet**		

Symposium 6: CIGS-CZTS Solar Cells
March 31, 2017 Conference Room: 3-7

Chairperson: Xudong Xiao, Shiyou Chen			Facilitator: Yu Chen
Time	**Speaker**	**Institution**	**Title**
10:00-10:25	肖旭东 Xudong Xiao	Chinese University of Hong Kong	Optimization of the fabrication of functional layers in CIGS and CZTS solar cells
10:25-10:45	刘玮 Wei Liu	Nankai University	Back Interface of CIGS Solar Cells based on the Submicron Absorber Layer
10:45-11:05	程树英 Shuying Cheng	Fuzhou University	Sol-gel processed CZTS thin film solar cell on flexible molybdenum foil
11:05-11:25	樊青苗 Qingmiao Fan	The Key Laboratory for Special Functional Materials of MOE, Henan University	Bang-gap grading design for solution-processed high-quality CuIn,GaS,Se2 thin film solar cells

11:25-11:45	陈时友 Shiyou Chen	East China Normal University	Na-Diffusion Enhanced p-type Conductivity in CuIn,GaSe2: a New Mechanism for Efficient Doping in Semiconductors
11:45-12:05	寇东星 Dongxing Kou	Henan University	Quaternary Cu2ZnSnS4 Quantum Dot-Sensitized Solar Cells: Synthesis, Passivation and Lig-and Exchange
12:05-13:30	**Lunch Buffet**		

Chairperson: Yi Zhang, Xiaojing Hao			**Facilitator: Wangen Zhao**
13:30-13:55	张毅 Yi Zhang	Nankai University	CZTSSe solar cells: from film growth to devices
13:55-14:15	郝晓静 Xiaojing Hao	Australian Centre for Advanced Photovoltaics. University of New South	Earth-abundant kesterite CZTS solar cells: progress and challenges
14:15-14:35	Wangen Zhao 赵婉亘	Shaanxi Normal University	Fabrication of Copper-based Thin Film Solar Cell Using Solution Processing

Symposium 8: Quantum Dot Solar Cells
March 31, 2017 Conference Room: 3-7

Chairperson: Wenhua Zhang, Xinhua Zhong **Facilitator: Zhiwen Jin**

Time	Speaker	Institution	Title
14:40-15:05	张文华 Wenhua Zhang	China Academy of Engineering Physics	Semiconductor film sensitized solar cell
15:05-15:30	钟新华 Xinhua Zhong	South China Agricultural University	High Efficiency Quantum Dot Sensitized Solar Cells
15:30-15:50	Yongqi Liang	Dalian University of Technology	Hybrid perovskite (MAPbBr3) solar cells with a high Voc of 1.57V

15:50-16:10	潘振晓 Zhenxiao Pan	South China Agricultural University	Charge recombination inhibition in quantum dot sensitized solar cells
16:10-16:30	曾京辉 Jinghui Zeng	Shaanxi Normal University	Engineered photo-anode for high performance solar cells
16:30-16:50	田建军 Jianjun Tian	Institute for Advanced Materials Technology University of Science and Technology	Surface modification for quantum dots solar cells
16:50-17:00	**Coffee Break**		
Chairperson: Haizheng Zhong			**Facilitator: Zhiwen Jin**
17:00-17:25	钟海政 Haizheng Zhong	Beijing Institute of Technology	Colloidal Synthesis of Copper based Binary and Ternary Nanocrystals and Their Photovoltaic Applications
17:25-17:45	宁志军 Zhijun Ning	ShanghaiTech Unversity	Colloidal quantum dot surface engineering for optoelectronic device
17:45-18:05	Peng Zhai	Northwestern Polytechnical University	Study on the Blocking Effect of a Quantum-Dot TiO2 Compact Layer in Dye-Sensitized Solar Cells and Perovskite Solar Cells
18:05-18:25	靳志文 Zhiwen Jin	Shaanxi Normal University	Graphdiyne Quantum Dots and its Application in Optoelectronic Devices
18:30-20:00	**Dinner Buffet**		

Symposium 9: Dye Sensitized Solar Cells
March 31, 2017 Conference Room: 3-2

Chairperson: Feng Yan, Zhongwei An **Facilitator: Pei Chen**

Time	Speaker	Institution	Title
10:00-10:25	严锋 Feng Yan	Hong Kong Polytechnic Univesity	The Application of 2D materials in Photovoltaic Devices

10:25-10:50	安忠维 Zhongwei An	Shaanxi Normal University	Synthesis of new organic dye sensitizers and their application for DSSCs
10:50-11:10	云斯宁 Sining Yun	Xi'an University of Architecture and Technology	Fabrication of Nano-structured Biomass Carbon Materials and Their Applications in DSSC/AD Systems
11:10-11:30	邹应萍 Yingping Zou	Central South University	High Performance Fluoroquinoxaline Polymers for Photovoltaics
11:30-11:50	武文俊 Wenjun Wu	East China University of Science and Technology	High Efficient Quasi-Solid-State Dye-Sensitized Solar Cells Based on D A-π A Quinoxaline Motif Sensitizers
11:50-13:30	**Lunch Buffet**		

Chairperson: Derong Cao, Jiahong Pan			**Facilitator: Dapeng Wang**
13:30-13:55	曹德榕 Derong Cao	South China University of Technology	Double D-π-A branched dyes: A new class of metal-free organic dyes for efficient DSSCs
13:55-14:15	潘家鸿 Jiahong Pan	North China Electric Power University	Self-template synthesis of nanoporous TiO2 spheres for efficient dye/semiconductor-sensitized solar cells
14:15-14:35	吴宏景 Hongjing Wu	Northwestern Polytechnical University	Multi-shelled metal oxide hollow spheres: Easy synthesis and formation mechanism
14:35-14:55	武明星 Mingxing Wu	Hebei Normal University	Carbon counter electrode materials in Dye-sensitized solar cells
14:55-15:15	王大鹏 Dapeng Wang	Shaanxi Normal University	Atmospheric-Pressure Chemical Vapor Deposition for Thin-Film Transistor and Solar Cell Applications
15:15-15:35	Zhenzhen Xi	Northwestern Polytechnical University	Electrolyte of graphene oxide embedded copolymers prepared by photopolymerization for quasi-solid state dye sensitized solar cells
15:35-15:55	徐婷婷 Tingting Xu	Northwestern Polytechnical University	Electrolyte of graphene oxide embedded copolymers for quasi-solid state dye sensitized solar cells application
15:55-16:05	**Coffee Break**		

Chairperson: Zhongsheng Wang, Bin Yang			Facilitator: Junqing Yan
16:05-16:30	王忠胜 Zhongsheng	Fudan University	Metal Selenides as Efficient Cathodes for Dye-Sensitized Solar Cells
16:30-16:50	Ningyi Yuan	Changzhou University	Study on the Stability of Organic - inorganic Hybrid Perovskite Solar Cells
16:50-17:10	Yanan Zhao	Northwestern Polytechnical University	Polarization Switching and Photo-induced Dielectric, Ferroelectric Properties in YMnO3/La0.67Sr0.33MnO3 Heterostructure
17:10-17:30	Xiaojia Zheng	Virginia Tech/China Academy of Engineering Physics	Improved Phase Stability of Formamidinium Lead Triiodide Perovskite by Strain Relaxation in 111 Plane
17:30-17:50	闫俊青 Junqing Yan	Shaanxi Normal University	Some treatments of TiO2 surface for efficient and stable planar heterojunction perovskite solar cells
18:30-20:00	**Dinner Buffet**		

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