

# Programme

## Day 1–Friday, 2 June

10:00–13:30	Registration	
12:00–13:00	Lunch Buffet	
Lectures for all (Main Auditorium Room)		
	Session Chair Lanqun Mao <i>Institute of Chemistry, Chinese Academy of Sciences, China</i>	
13:30–14:00	Opening ceremony (Deqing Zhang, Fiona McKenzie)	
14:00–14:40	The development of acceptors and dopants for organic and hybrid electronics Seth R. Marder <i>Georgia Institute of Technology, United States</i>	
14:40–15:20	A polymer chemistry of graphenes and graphene nanoribbons Klaus Müllen <i>Max Planck Institute for Polymer Research, Germany</i>	
15:20–15:50	Afternoon Break	
	Session 1 Energy & sustainability (Main Auditorium Room)	Session 2 Optics & electronics (Meeting Room 100, Building 5)
	Session Chair Xun Wang <i>Tsinghua University, China</i>	Session Chair Seth R. Marder <i>Georgia Institute of Technology, United States</i>
15:50–16:20	POLYMER IONIC LIQUIDS (PILs): From universal dispersants to electrocatalysis Markus Antonietti <i>Max Planck Institute of Colloids and Interfaces, Germany</i>	Functionalized conjugated polymers for optoelectronic applications Martin Heeney <i>Imperial College London, United Kingdom</i>
16:20–16:50	Advanced materials for rechargeable Li–metal and Na–ion batteries Yuguo Guo <i>Institute of Chemistry, Chinese Academy of Sciences, China</i>	Polymer solution–state structures and their influences on solid–state morphology and charge transport properties Jian Pei <i>Peking University, China</i>
16:50–17:10	Solution–processable carbon materials for applications in energy conversion and storage Zhenyu Sun <i>Beijing University of Chemical Technology, China</i>	Combining aggregation–induced emission and thermally activated delayed fluorescence to create robust luminescent materials for high–performance nondoped OLEDs Zujin Zhao <i>State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, China</i>
17:10–18:00	Poster Session	
18:00–19:00	Dinner Buffet	

# Programme

## Day 2–Saturday, 3 June

	Session 1 Energy & sustainability (Main Auditorium Room)		Session 2 Optics & electronics (Meeting Room 100, Building 5)
	<b>Session Chair</b> Jianhui Hou <i>Institute of Chemistry, Chinese Academy of Sciences, China</i>		<b>Session Chair</b> Jian Pei <i>Peking University, China</i>
9:00–9:30	<b>Structurally constrained functional <math>\pi</math>-electron materials</b> Shigehiro Yamaguchi <i>Nagoya University, Japan</i>	9:00–9:30	<b>Design of fused-ring electron acceptors for highly efficient organic solar cells</b> Xiaowei Zhan <i>Peking University, China</i>
9:30–9:50	<b>Enhancing CO<sub>2</sub> electrolysis through synergistic doping to in situ tailor cathode surface structures</b> Kui Xie <i>Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, China</i>	9:30–9:50	<b>Cross-linked polymer gate dielectrics by photo reactive additives</b> Qing Zhang <i>Shanghai Jiaotong University, China</i>
9:50–10:10	<b>Sulfur encapsulated in graphitic carbon nanocages for high-rate and long-cycle lithium-sulfur batteries</b> Juan Zhang <i>National Center for Nanoscience and Nanotechnology, China</i>	9:50–10:10	<b>Synthesis of carbon nanohoops using an anthracene photodimerization-cycloreversion strategy</b> Huan Cong <i>Technical Institute of Physics and Chemistry, CAS, China</i>
10:10–10:40	<b>Morning Break</b>		
	<b>Session Chair</b> Yuguo Guo <i>Institute of Chemistry, Chinese Academy of Sciences, China</i>		<b>Session Chair</b> Xiaowei Zhan <i>Peking University, China</i>
10:40–11:10	<b>Towards highly efficient perovskite solar cells by Interface engineering</b> Hongzheng Chen <i>Zhejiang University, China</i>	10:40–11:10	<b>Synthesis, processing and function of coplanar <math>\pi</math>-conjugated organic polymers</b> Lei Fang <i>Texas A&amp;M University, United States</i>
11:10–11:40	<b>New photoactive materials for polymer solar cells with over 12% efficiencies</b> Jianhui Hou <i>Institute of Chemistry, Chinese Academy of Sciences, China</i>	11:10–11:30	<b>Layered host-guest long-afterglow ultrathin nanosheets and layer-by-layer assembly of self-supporting thin films</b> Rui Gao <i>Beijing University of Chemical Technology, China</i>

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11:40–12:00	<b>Novel stabilisation approach of metal nanoparticles on nanostructured curved materials for catalytic applications</b> Laura Torrente Murciano <i>University of Cambridge, UK</i>	11:30–11:50	<b>n-Type conjugated polymers containing B←N unit</b> Chuandong Dou <i>Changchun Institute of Applied Chemistry (CIAC), CAS, China</i>
12:00–14:00	<b>Lunch Buffet &amp; Poster Session</b>		
	<b>Session 1</b> <b>Energy &amp; sustainability</b> <b>(Main Auditorium Room)</b>		<b>Session 3</b> <b>Biology &amp; medicine</b> <b>(Meeting Room 100, Building 5)</b>
	<b>Session Chair</b> Shigehiro Yamaguchi <i>Nagoya University, Japan</i>		<b>Session Chair</b> Bin Liu <i>National University of Singapore, Singapore</i>
14:00–14:30	<b>Sub-1nm ultrathin nanocrystals</b> Xun Wang <i>Tsinghua University, China</i>	14:00–14:30	<b>Hollow spheres, pancakes, bamboo-sticks –the world of self-assembled polymers</b> Martina Stenzel <i>University of New South Wales, Australia</i>
14:30–15:00	<b>Flexible energy-related graphene devices</b> Liangti Qu <i>Beijing Institute of Technology, China</i>	14:30–15:00	<b>Microfluidic single cell whole genome and whole transcriptome amplification and sequencing</b> Yanyi Huang <i>Peking University, China</i>
15:00–15:20	<b>Conducting polymer/graphene or carbon nanotube thermoelectric composites</b> Guangming Chen <i>Institute of Chemistry, CAS, China</i>	15:00–15:20	<b>A universal and versatile approach for surface bio-functionalization using non-covalent interactions as driving forces</b> Qian Yu <i>Soochow University, China</i>
15:20–15:40	<b>A highly reversible, low-strain Mg-ion insertion anode material for rechargeable Mg batteries</b> Na Wu <i>Hebei Normal University, China</i>	15:20–15:40	<b>Novel organic semiconductors for bioelectronic applications</b> Christian B. Nielsen <i>Queen Mary University of London, UK</i>
15:40–16:00	<b>Polyethyleneimine modified TiO<sub>2</sub> electron transport layer enables versatile device structures for light-soaking-free polymer solar cells with over 10% efficiency</b> Tao Wang <i>Wuhan University of Technology, China</i>	15:40–16:00	<b>Chemical synthesis meets microfluidics: multilevel and customizable design of biomimetic polymer colloid-based soft materials</b> Yuandu Hu <i>Harvard University, Cambridge, United States</i>

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16:00–16:30	<b>Afternoon Break</b>		
	<b>Session Chair</b> Hongzheng Chen <i>Zhejiang University, China</i>		<b>Session Chair</b> Martina Stenzel <i>University of New South Wales, Australia</i>
16:30–17:00	<b>Nanoscale metal–organic frameworks: emerging materials for catalysis</b> Zhiyong Tang <i>National Center for Nanoscience and Technology, China</i>	16:30–17:00	<b>Aggregation–induced emission: Materials and biomedical applications</b> Bin Liu <i>National University of Singapore, Singapore</i>
17:00–17:20	<b>Surface and interface engineering of silicon–based anode materials for lithium–ion batteries</b> Jianping Yang <i>Donghua University, China</i>	17:00–17:30	<b>Functional organic conjugated molecules for biological applications</b> Shu Wang <i>Institute of Chemistry, Chinese Academy of Sciences, China</i>
17:20–17:40	<b>Ionic liquids assisted synthesis of porous carbon materials</b> Yang Yan <i>Dalian University of Technology, China</i>	17:30–17:50	<b>Treating advanced ovarian cancer with a polymer/copper nano–complex</b> Peisheng Xu <i>University of South Carolina, USA</i>
17:40–18:00	<b>Synthesis of two–dimensional <math>\text{CoS}_{1.097}</math>/Nitrogen–doped carbon nanocomposites using metal–organic framework nanosheets as precursors for supercapacitor application</b> Feifei Cao <i>Huazhong Agricultural University, China</i>	17:50–18:10	<b>Synthesis of well–defined (co)polymers though SARA ATRP mediated by sodium dithionite for advanced applications</b> Joana R. Góis <i>University of Coimbra, Portugal</i>
18:10–19:00	<b>Dinner Buffet</b>		

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## Programme

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### Day 3–Sunday, 4 June

Lectures for all (Main Auditorium Room)	
	<b>Session Chair:</b> Seth R. Marder Georgia Institute of Technology, United States
9:00–9:40	<b>Merging light with nanoparticles: artificial molecules, photocatalysis, cancer therapy, and solar steam</b> Naomi Halas <i>Rice University, United States</i>
9:40–10:20	<b>Polymeric semiconductors for organic field–effect transistor</b> Yunqi Liu <i>Institute of Chemistry, CAS, China</i>
	<b>Session Chair</b> Lanqun Mao <i>Institute of Chemistry, Chinese Academy of Sciences, China</i>
10:20–10:50	<b>Poster awards presentation</b> (Fiona McKenzie) & Closing Remarks (Deqing Zhang, Seth R. Marder)

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