



## JOINING INSTRUCTIONS

Thank you for registering to attend the above conference.

<http://rsc.li/materials-horizons2017>

Please bring this **Joining Instruction** with you as it will serve as your Entry Permit to enter the **Institute of Chemistry Chinese, Academy of Sciences** for the first time before you register onsite.

### Agenda at a Glance

Time/Date	2 June 2017	3 June 2017		4 June 2017
<b>Morning</b>	Registration	Conference Parallel 1	Conference Parallel 2	Conference
<b>Midday</b>	Buffet Lunch	Buffet Lunch		NA
<b>Afternoon</b>	Conference	Conference Parallel 1	Conference Parallel 2	
<b>Evening</b>	Buffet Dinner	Buffet Dinner		

Note: All sessions will start and end on time. Please kindly be punctual.

**Please refer to itinerary for detailed arrangements.**

### Venue (Lecture Theatre)

Main Auditorium Room  
Institute of Chemistry Chinese, Academy of Sciences  
Zhongguancun North First Street 2, 100190 Beijing, PR China

礼堂

中国科学院化学研究所

地址：北京市海淀区中关村北一街 2 号

### Registration

Date/Time: 10:00 a.m. – 13:30 p.m., 2 June, 2017

Place: Main Auditorium Room

**The registration desk will close at 13:30 p.m.**, please arrange your time so you don't miss the start.

A full programme with specific timings will be provided upon onsite registration.

The conference officially starts with the welcome and introductions at 13:30 p.m. on Friday 2 June 2017 and is scheduled to end at 10:50 a.m. on Sunday 4 June.

Please pick up your name badge, abstract book, catering vouchers and etc.

### Delegate Badges

Badges will be issued to all delegates. Participants are kindly requested to wear their badges throughout the conference for security and catering purposes.

Anyone without a badge will be turned away from catering hall.



## Event Program

Event Program is available on the [website](#) with PDF copy to download, also attached as separate file.

## Oral presentations & the discussions

We will be providing a computer onsite for your presentation; please download your talk onto a memory stick and copy it to the conference laptop before the start of the session.

You could also choose to use your own laptop. Please test it before your session start.

## Finance and Fapiao

**You are required to pay in full amount for this conference prior to your arrival in Beijing.** If you have not yet paid to attend this conference, then please contact [China Events Team](#) immediately to arrange payment. Successful check-in on arrival in Beijing is dependent on payment prior to the event.

For Chinese-based delegates who require a Fapiao and have paid by bank transfer, please complete and print out the " **Fapiao Request Form**" to claim for your Fapiao during at the registration area. *Fapiao request form* could be downloaded from the conference [website](#). Please check in onsite first and then pick up Fapiao.

## Poster Session

Date/Time: 17:10 - 18:00p.m., 2 June; 13:00 - 14:00 p.m., 3 June

Place: Lobby of Building 5

All delegates are welcome to attend the Poster Session.

### For poster authors

Please **print your poster by yourself** and bring it to site with you.

Upon registration, poster presenters should check in the abstract book for details of which board to hang their poster on.

Please stand by your poster during coffee breaks and poster sessions and communicate with the judges and delegates. A Poster Prize is available for the best poster based on:

- The quality and novelty of the research presented
- Design and layout of the poster
- Interaction with the poster judges

The Poster Prize Presentation will take place during the closing remarks.

Poster Size	Width 90cm * Height 120cm, Portrait Orientation
Poster Number	Please find your poster number in the abstract book and locate the corresponding poster board and mount your poster accordingly
Set-up time	After registration or first coffee break before poster session
Take-down Time	After Event finishes



## Transportation

Upon arrival in Beijing, please arrange your own transportation to your hotel. You should also make your own way to Institute of Chemistry Chinese Academy of Sciences.

### **By Taxi**

Beijing International Airport to Institute of Chemistry Chinese Academy of Sciences venue:

Approximately 35 km, 60 minutes, 120 RMB by taxi

Beijing South Railway Station to Institute of Chemistry Chinese Academy of Sciences venue:

Approximately 20 km, 40 minutes, 70 RMB by taxi

Beijing West Railway Station to Institute of Chemistry Chinese Academy of Sciences venue:

Approximately 15 km, 30 minutes, 50 RMB by taxi

Please take me to Institute of Chemistry Chinese Academy of Sciences, thank you!  
Address: Zhongguancun North First Street 2, 100190 Beijing, , China

请送我到中国科学院化学研究所，谢谢！

地址：北京市海淀区中关村北一街2号

## Accommodation

Accommodation is **NOT** included in the registration fee; please arrange your own accommodation.

## Catering (Vouchers required)

Coffee Break will be served in the corridor outside the meeting room.

Lunch and Dinner Buffet on 2 & 3 June will be served on the 2F in the Sunshine Coffee (二楼阳光咖啡西餐厅).

Please remember to take your **lunch vouchers** with you, which are inside your name badge.

Time/Date	2 June 2017	3 June 2017	4 June 2017
Coffee Break, A.M.		10:10	10:25
Lunch	12:00	12:00	
Coffee Break, P.M.	15:20	16:00	
Evening	18:00	18:10	

## Insurance

We advise that delegates ensure that they have adequate travel insurance arranged for their trip prior to the conference.

## Onsite Contact

Please go to registration desk or onsite volunteers wearing black T-shirt with Royal Society of Chemistry logo.



If you have any questions about any aspect of the event, please do not hesitate to contact us.

We look forward to welcoming you to Beijing China!

[China Events Team](#)

The Royal Society of Chemistry

# Programme

## Day 1–Friday, 2 June

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

# 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>Resolving ultrafast exciton migration in organic solids at the nanoscale</b> Naomi Ginsberg <i>University of California, Berkeley, United States</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> Naomi Ginsberg <i>University of California, Berkeley, United States</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 CoS<sub>1.097</sub>/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 through 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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