



Colloquium on Polymer Science and Molecular Engineering

Zhejiang University and the University of Chicago



## COLLOQUIUM ON POLYMER SCIENCE AND MOLECULAR ENGINEERING

Zhejiang University and the University of Chicago

### Program

**April 12, Wednesday**      **Welcome Dinner**      Zhejiang Hotel, Hangzhou

**April 13, Thursday**      **Presentations**      Shaoke Building, Zhejiang University  
(Yuquan Campus), Hangzhou

Time	Event	Session Chair
08:45	<b>Opening</b>	<i>Xu, Tirrell</i>
09:00	<b>Water at Lipid and Surfactant Interfaces - Structure, Dynamics, and Spectroscopy</b> <i>James Skinner, University of Chicago</i>	<i>Qiang Zheng</i>  <i>Vice-president of Zhejiang University</i>
09:30	<b>Cyberphysical Sensor Networks for Agriculture, Soil and Water</b> <i>Supratik Guha, University of Chicago</i>	
10:00	<b>Break</b>	
10:20	<b>Linear Dynamic Rheology of Nanofilled Polymer Melts</b> <i>Qiang Zheng, Zhejiang University</i>	<i>Matt Tirrell</i>
10:50	<b>Using Dynamic Chemistry to Access Stimuli-Responsive Materials</b> <i>Stuart Rowan, University of Chicago</i>	
11:20	<b>Surface-Engineered Membranes for Water Treatment</b> <i>Zhi-Kang Xu, Zhejiang University</i>	
11:50	<b>Shape Memory Polymer and Flexible Electronics</b> <i>Tao Xie, Zhejiang University</i>	
12:20	<b>Lunch &amp; Poster Session</b>	
14:00	<b>Towards Highly Efficient Organic and Perovskite Solar Cells by Interface Engineering</b> <i>Hongzheng Chen, Zhejiang University</i>	<i>Tao Xie</i>
14:30	<b>Directed Self-Assembly of Performance Materials</b> <i>Paul Nealey, University of Chicago</i>	
15:00	<b>Macro-Assembly of Graphene</b> <i>Chao Gao, Zhejiang University</i>	



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15:30	Break	
15:50	Paper and Circuits, only Atoms Thick <i>Jiwoong Park, University of Chicago</i>	Ka Yee Lee
16:20	Gel-Incorporation Inside Gel-Grown Single Crystals <i>Hanying Li, Zhejiang University</i>	
16:50	Semiconducting Polymers for Energy Conversion and Storage <i>Shrayesh Patel, University of Chicago</i>	
17:20	Close of day 1	

**April 14, Friday**

**Presentations and Interview**

Shaoke Building, Zhejiang University (Yuquan Campus), Hangzhou

Time	Event	Session Chair
09:00	<b>Gel-Phase Formation in Dilute Tri-Block Polyelectrolyte Complexes</b> <i>Matt Tirrell, University of Chicago</i>	Jian Ji
09:30	<b>Engineering Polymers to Modulate Immunity</b> <i>Jeff Hubbell, University of Chicago</i>	
10:00	<b>Biomaterials for Tissue Regeneration and Cellular Uptake</b> <i>Changyou Gao, Zhejiang University</i>	
10:30	Break	
10:50	<b>Rational Design of Polymeric Cancer Nanomedicine</b> <i>Youqing Shen, Zhejiang University</i>	Stuart Rowan
11:20	<b>Membrane Sealing Effects of Poloxamers</b> <i>Ka Yee Lee, University of Chicago</i>	
11:50	<b>Surface Engineering of Biomedical Materials via Bio-Inspired Strategy</b> <i>Jian Ji, Zhejiang University</i>	
12:20	<b>End Presentations and Poster Awards</b>	Matt Tirrell, Zhi-Kang Xu
12:30	Lunch	
13:30-15:00	<b>Face-to-face Forum:</b> Supratik Guha, Jeff Hubbell, James Skinner, Matt Tirrell	Yong-Hua Song Vice-president of Zhejiang University
15: 15	<b>Introduction for Institute for Molecular Engineering</b>	Dr. Feng



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**April 14, Friday**

Polymer Building, Zhejiang University (Yuquan Campus)

15:45	Round-Table Conference	Zhi-Kang Xu
17:30	Closing/ Farewell Dinner	