



13-14 December 2018, University of Warwick, UK

2nd Joint NSFC-RSC Symposium on Novel Polymer Synthesis to Solve Tomorrow's Problems: Healthcare, Materials and Energy

Book of Abstracts

Programme

13 December 2018

Time	Event	Session chair
09:00	Registration and coffee	
10:15	Welcome remarks Stuart Govan, <i>Royal Society of Chemistry</i> Wei Tian, <i>National Natural Science Foundation of China</i>	David Haddleton
10:30	Copper mediated living radical polymerisation in the presence of oxygen David Haddleton, <i>University of Warwick, UK</i>	Muriel Lansalot
11:00	Self-assembly of alternating copolymers Yongfeng Zhou, <i>Shanghai Jiao Tong University, China</i>	
11:30	Coffee break	
11:45	Spectral conversion materials to harvest sunlight in the urban landscape Rachel Evans, <i>University of Cambridge, UK</i>	Rongrong Hu
12:15	Controlling polymer solution aggregation to optimize polymer bulk heterojunction solar cells Yanchun Han, <i>Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China</i>	
12:45	Lunch and poster session	
14:00	Organocatalytic synthesis of sulfur-containing polymers Xing-Hong Zhang, <i>Zhejiang University, China</i>	Rachel Evans
14:30	Sustainability using green polymers and totally not green polymers Michael Shaver, <i>University of Edinburgh, UK</i>	
15:00	Multicomponent polymerizations of elemental sulfur Rongrong Hu, <i>South China University of Technology, China</i>	
15:30	Coffee break	
15:45	Reticulation of functional moieties into crystalline covalent organic frameworks Wei Wang, <i>Lanzhou University, China</i>	Michael Shaver
16:15	Combining RAFT and emulsion polymerization for the synthesis of well-defined and potentially industrially viable particles Muriel Lansalot, <i>Lab of Chemistry, Catalysis, Polymers and Process, France</i>	
16:45	Optically active helical polyisocyanides, controlled synthesis, properties and functions Zong-Quan Wu, <i>Hefei University of Technology, China</i>	
17:15	RSC Journals (Materials and Interfaces) Neil Hammond, <i>Royal Society of Chemistry</i>	Stuart Govan
17:45	Drinks reception	
18:30	Dinner	

14 December 2018

Time	Event	Session chair
09:15	Coffee	
09:30	Presentation of RSC 2018 Stephanie L Kwolek Award to Professor Jeffrey Moore	Theoni Georgiou
09:40	Organic chemistry at the interface of materials and mechanics Jeffrey Moore, <i>University of Illinois at Urbana-Champaign, United States</i>	
10:40	Molecular engineering for the design of nanostructured materials Sébastien Perrier, <i>University of Warwick, UK</i>	
11:10	Coffee break	
11:30	Functional materials: Exploiting dynamic self-assembly at interfaces Oren Scherman, <i>University of Cambridge, UK</i>	Sébastien Perrier
12:00	Protein assembly driven by dual non-covalent interactions Guosong Chen, <i>Fudan University, China</i>	
12:30	Exploiting precision designed polymers to control imaging behaviour in MRI contrast agents Gemma-Louise Davies, <i>University College London, UK</i>	
13:00	Lunch and poster session	
14:15	Pasteur's chiral separation revisited Xinhua Wan, <i>Peking University, China</i>	Xing-Hong Zhang
14:45	Multi responsive nanogels for medical applications Seb Spain, <i>University of Sheffield, UK</i>	
15:15	Dynamic chemistry of selenium-containing polymers Huaping Xu, <i>Tsinghua University, China</i>	
15:45	Coffee break	
16:00	Scalable block-based thermoresponsive polymers Theoni Georgiou, <i>Imperial College London, UK</i>	Guosong Chen
16:30	Synthesis of sustainable poly(γ-butylactone) and copolymers via cyclic trimeric phosphazene base catalyzed ROP Zhibo Li, <i>Qingdao University of Science and Technology, China</i>	
17:00	Presentation of poster prizes and closing remarks	David Haddleton
17:15	Close	