

The 14th CSCST and SCI-CS Annual Conference

Saturday, 13th October 2007, Department of Chemical Engineering, University of Birmingham

Programme

9:00-9:15	Registration	
9:15-9:20	Welcome and Introduction - Drs. Charley Wu & Tao Wu	
9:20-11:00	Opening & Keynotes Session – Room 124 Chair: <i>Prof. Zhibing Zhang</i>	
9:20-9:35	Openning addresses (UOB & Chinese Embassy)	
9:35-9:50	SCI presentation <i>Mr. Andrew Ladds / Mr. Jon W. Poole</i>	
9:50-10:25	Precision Chemical Engineering: Nanostructuring Surfaces into Three Dimensions <i>Prof. Jon A. Preece (University of Birmingham)</i>	
10:25-11:00	Assesment of Material Properties For Product Formulation <i>Dr. Craig Bentham, (Pfizer Global R&D, UK)</i>	
11:00-11:30	Coffee & Tea	
11:30-12:50	Technical session 1A – Process Engineering Chair: <i>Prof. Yulong Ding</i> <i>Room 124</i>	Technical session 2A - Energy Chair: Dr. George Chen <i>Room 112</i>
11:30-11:50	Easily Accessible Transfer Hydrogenation/Hydrogenation Network in Water: Reduction of aldehydes with Ir(III)-CF₃TsEN Catalysts <i>Xiaofeng Wu (University of Liverpool)</i>	Synthesis of Mesoporous Ceria Nanostructures and their Application in the Oxidative Desulfurization of Diesel <i>Fubo Gu (University of Oxford)</i>
11:50-12:10	Effect of surface energy on minimum fluidisation, homogeneous expansion and bubbling of Geldart group A particle beds <i>Fang Yang (University of Birmingham)</i>	Sustainable energy generated from wastewater using Microbial fuel cells <i>Huaining Hu (University of Nottingham)</i>
12:10-12:30	Oxidation of Metal Nanoparticles <i>Pengxiang Song (Queen Mary, University of London)</i>	Large-scale electrical energy storage system based on liquid air <i>Haisheng CHEN (University of Leeds)</i>
12:30-12:50	Synthetic and Kinetic Study of Novel Layered Cobalt Hydroxide <i>Yi Du (University of Oxford)</i>	Materials for Bio and Chemical Catalysis: Multi-Scale Structures of Biopolymer-Ionic Liquid Composite Materials <i>Z. Lin (University of Liverpool)</i>

12:50-14:00 Lunch & Poster		
14:00	Technical Session 1B – Micro-/Nano- Products Chair: <i>Dr. Yanqiu Zhu</i> Room 124	Technical Session 2B – Product Engineering Chair: <i>Dr. Dongsheng Wen</i> Room 112
14:00-14:20	Chitosan Nanofibers from Electrospinning Superelectrospinnable Chitosan Solution System Y.Z. Zhang (University of Bristol)	Characterization of surface active agent at wet interfaces. Dr. Ningning Li (Oxford University)
14:20-14:40	Miniaturised Systems for Chemistry and Life Sciences Dr. Xunli Zhang (University of Southampton)	Encapsulation of Peppermint Oil for Dental Care Jing Xue (University of Birmingham)
14:40-15:00	Template-assisted electrohydrodynamic atomization spraying for patterning of nanoHA X. Li, (UCL)	Computer-aided design and synthesis of natural product Cyclothialidine derivatives as DNS gyrase inhibitors Bo Shan (GE Healthcare)
15:00-15:20	Fabrication, Characterisation and Application of CVD Diamond Itramicroelectrodes Jingping Hu (University of Oxford)	Colouration, dyeing characteristics and performance of high melt and low melt poly (lactic acid) Wei Zhang (University of Leeds)
15:20-15:40	Biosensor Science and Technology for Medical Applications Dr Xiang Cheng Zhang (Abbott, UK)	Thermoresponsive “Particle Pumps”: controlled release of organic nanoparticles from macroporous polymers Haifei Zhang (University of Liverpool)
15:40-16:00 Coffee & Tea		
16:00-16:50 Invited Lectures – Room 124 Chair: <i>Dr. Guoping Lian</i>		
16:00-16:35 R&D on Multiphase Reaction Engineering and Equipment Oriented to Chemical Production <i>Profs. Chunxi Lu & Kai ZHANG</i> (China University of Petroleum, Beijing, China)		
16:35-16:50 Touching Lives, Improving Life! Wei Liu (Procter & Gamble, Beijing)		
16:50-17:30 Conclusion Session Chair: <i>Drs. Cigang Xu, & Tao Wu</i>		
16:50-17:00 Best Presentation/Poster Awards & Conclusion remarks		
17:00-17:30 CSCST general meeting / SCI Committee meeting		