

THEO MURPHY INTERNATIONAL SCIENTIFIC MEETING

UK-China workshop on the chemistry and physics of functional materials

The Royal Society at Chicheley Hall: Home of the Kavli Royal Society International Centre

Organised by Professor Henning Sirringhaus FRS, Professor Anthony Cheetham FRS, Professor Wenping Hu and Professor Deqing Zhang

Monday 28 – Tuesday 29 January 2013

DAY 1				DAY 2			
SESSION 1		SESSION 2		SESSION 3		SESSION 4	
09.00	Welcome: Anthony Cheetham and Henning Sirringhaus						
09.05	Materials design for organic electronics Daoben Zhu	13.30	New inorganic materials for energy applications Matthew Rosseinsky FRS	09.00	Controllable synthesis of graphene by a chemical vapor deposition method and studies on its electronic properties Yunqi Liu	13.30	Mesoporous frameworks for optoelectronics Ullrich Steiner
09.30	Discussion	14.00	Discussion	09.30	Discussion	14.00	Discussion
09.45	Photovoltaic materials for high efficiency polymer solar cells Yongfang Li	14.15	Electronic and magnetic properties of transition metal oxides Gabriel Aeppli FRS	09.45	Growth and Si-layer intercalation of centimeter-scale, highly-ordered, continuous graphene on metal surfaces for future integrated electronic devices Hong-Jun Gao	14.15	Predictive modelling of catalytic, electronic and energy materials Richard Catlow FRS
10.15	Discussion	14.45	Discussion	10.15	Discussion	14.45	Discussion
10.30	Coffee	15.00	Tea	10.30	Coffee	15.00	Tea
11.00	Organic semiconductor LEDs and solar cells: the role of spin Richard Friend FRS	15.30	Following function in real time: new NMR and MRI methods for studying structure and dynamics in batteries, fuel cells and supercapacitors Clare Grey FRS	11.00	Electronic properties of graphene – boron nitride heterostructures Vladimir Falko	15.30	Order and disorder in two-dimensional molecular and polymer networks Peter Beton
11.30	Discussion	16.00	Discussion	11.30	Discussion	16.00	Discussion
11.45	Theory of charge transport Alessandro Troisi	16.15	Poster session	11.45	Role of electron-phonon couplings in optoelectronic performance of organic materials Zhigang Shuai	16.15	Panel discussion/Overview/Summary of meeting
12.15	Discussion	17.00	CLOSE	12.15	Discussion		
12.30	LUNCH	18.15 18.30	Pre-dinner drinks Dinner	12.30	LUNCH	17.00	CLOSE