



DRAFT PROGRAMME

Monday 8 September

11:00	Registration, Tea and Coffee	
12:00	Lunch	
12.40	Welcome and Introductions	
12.55	Outline of Discussion Format Faraday Discussion, Publishing Editors	
13.00	Introductory Lecture Fred Wudl <i>University of California, Santa Barbara</i>	Paper 1
	Session 1: Sensors and molecular electronics Session Chair: Simon Higgins	
14:00	Exploring coherent transport through pi-stacked systems for molecular electronic devices Gemma Solomon <i>University of Copenhagen</i>	Paper 2
14:05	A quantum chemical study from a molecular perspective: ionization and electron attachment energies for species often used to fabricate single-molecule junction Ioan Baldea <i>Heidelberg University</i>	Paper 3
14:10	Breaking the simple proportionality between molecular conductances and charge transfer rates Ravindra Venkatramani <i>Tata Institute of Fundamental Research</i>	Paper 4
14:15	Discussion	
15:30	Afternoon Tea Session Chair: Gemma Solomon	
16:00	Molecular Diodes Enabled by Quantum Interference Latha Venkataraman <i>Columbia University</i>	Paper 5
16:05	Measurement and Control of Detailed Electronic Transport Properties of Single Molecule Junctions Bingqian Xu <i>University of Georgia</i>	Paper 6
16:10	A Computational Study of Potential Molecular Switches that Exploit Baird's Rule on Excited State Aromaticity and Antiaromaticity Henrik Ottosson <i>Uppsala University</i>	Paper 7
16:15	Discussion	
17:30	Lightning poster presentations	
17:30	Poster Session and Wine Reception	

Tuesday 9 September

	Session 2: Photonics Session Chair: Ifor Samuel	
09:00	Organic semiconductor distributed feedback laser pixels for lab-on-a-chip applications fabricated by laser-assisted replication Uli Lemmer <i>Karlsruhe Institute of Technology</i>	Paper 8
09:05	Rigid biimidazole ancillary ligands as an avenue to develop bright deep blue cationic iridium(III) complexes Eli Zysman-Colman <i>University of St Andrews</i>	Paper 9
09:10	Discussion	
10:00	Morning Tea	
10:30	Highly efficient organic devices based on small-molecule organic semiconductors Karl Leo <i>Dresden University of Technology</i>	Paper 10
10:35	Dynamic Amplification of Light Signals in Photorefractive Ferroelectric Liquid Crystalline Mixtures Takeo Sasaki <i>Tokyo University of Science</i>	Paper 11
10:45	Organic semiconducting single crystals as solid-state sensors for ionizing radiation Beatrice Fraboni <i>University of Bologna</i>	Paper 12
10:50	Discussion	
12:00	Lunch	
	Session 3: Organic photovoltaics and energy Session Chair: Iain McCulloch	
13:30	Parameter free calculation of the subgap density of states in poly(3-hexylthiophene) Jenny Nelson <i>Imperial College London</i>	Paper 13
13:35	In Situ Formation of Organic-Inorganic Hybrid Nanostructures for Photovoltaic Applications Ji-Seon Kim <i>Imperial College London</i>	Paper 14
13:40	Computational Investigation of Hole Mobilities in Organic Semiconductor Structures: Comparison of Single Crystal and Surface Adsorbed Clusters Joseph McDouall <i>University of Manchester</i>	Paper 15
13:45	Discussion	
15:00	Afternoon Tea	
15:30	Supramolecular Control of Organic p/n-Heterojunctions by Complementary Hydrogen Bonding Dmitrii Perepichka <i>McGill University</i>	Paper 16

15:35	Design of donor-acceptor star-shaped oligomers for efficient solution-processable organic photovoltaics Sergei Ponomarenko <i>Enikolopov Institute of Synthetic Polymeric Materials of Russian Academy of Sciences</i>	Paper 17
15.40	Discussion	
16:30	Close of sessions	
19:00	Pre-Dinner Drinks	
19:30	Conference Dinner	

Wednesday 10 September

	Session 4: Organic bioelectronics Session Chair: George Malliaras	
09:00	Novel Electrochemiluminescent Materials for Sensor Applications Lynn Dennany <i>University of Strathclyde</i>	Paper 18
09:05	Hybrid organic semiconductor lasers for bio-molecular sensing Nicolas Laurand <i>University of Strathclyde</i>	Paper 19
09:10	Discussion	
10:00	Morning Tea	
10:30	Bio-sorbable, liquid electrolyte gated thin-film transistor based on a solution processed zinc oxide layer Luisa Torsi <i>University of Bari Aldo Moro</i>	Paper 20
10.35	Characterization and simulation of electrolyte-gated organic field-effect transistors Katharina Melzer <i>Technische Universität München</i>	Paper 21
10:40	Discussion	
11:30	Concluding remarks Donal Bradley <i>Imperial College London, UK</i>	Paper 22
11:45	Acknowledgements	
12:00	Close of meeting and Lunch	