



# DRAFT PROGRAMME

## Monday 8 September

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

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

15:35	<b>Design of donor-acceptor star-shaped oligomers for efficient solution-processable organic photovoltaics</b> 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

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