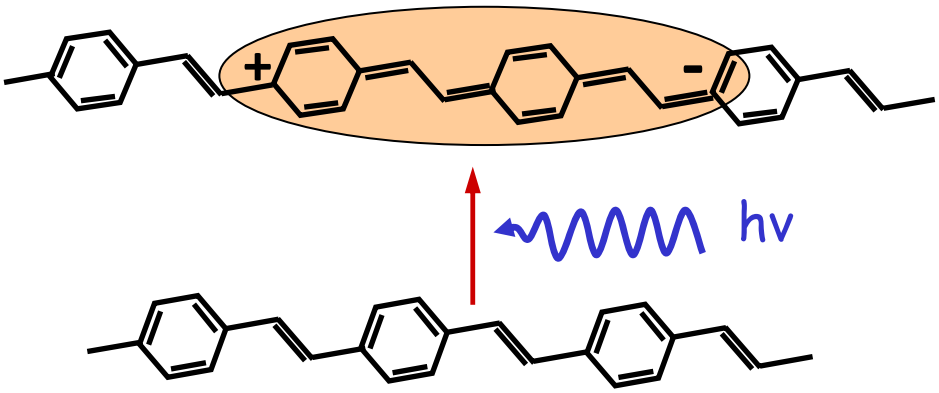
2011 Meeting on Opto-Electronic Processes in Organic Materials (OEPOM)



PROGRAMME

Department of Physics, Martin Wood Complex
University of Oxford, 6th April 2011
Organisers: William Barford and Laura Herz

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Talk Schedule

10:30 Coffee

10:55 Welcome

11:00 Professor Sir Richard Friend
Cavendish Laboratory, University of Cambridge
Singlet exciton fission in pentacene and related materials

11:35 Professor Andrew Monkman
Department of Physics, Durham University
Singlet and triplet exciton dynamics in heteroatomic conjugated polymers sustaining intramolecular charge transfer

12:10 Professor Jenny Nelson
Department of Physics, Imperial College London
Influence of chemical structure and microstructure on photocurrent generation in organic solar cells

12:45 – 2:15 Lunch and poster session

2:15 Professor Alison Walker
Department of Physics, University of Bath
Multiscale modelling of organic devices

2:50 Professor Ifor Samuel
School of Physics and Astronomy, University of St. Andrews
Exciton diffusion in organic semiconductors

3:25 Professor David Lidzey
Department of Physics and Astronomy, University of Sheffield
Polariton relaxation in strongly coupled organic-semiconductor microcavities

4:00 Close and Tea

List of Poster Presentations

Poster #	Presenting Author	Title
1	Abdullah	New Highly Efficient Electrophosphorescent Devices Based on Mono and Di-nuclear Iridium Complexes
2	Al-Attar	Solution processed multilayer polymer light-emitting diodes based on different molecular weight host
3	Bakulin	How does excess vibrational energy influence charge dynamics in plastic solar cells?
4	Bernasconi	Ab initio dynamics of photo-excited polyacetylene
5	Bright	The formation of the beta phase of poly(9,9-di-n-octylfluorene) (PF8) and its copolymers
6	Chiang	Electrical and Optical Study of Flexible OLED Devices under External Stresses Using Structural Reinforced Substrate
7	Dai	Observation of Superfluorescence from Spontaneously Coherent Excitons in MeLPPP Thin Film
8	Faist	Fullerene Multiadducts for Higher Open Circuit Voltages in Bulk Heterojunction Solar Cells
9	Foster	Design Rules for High Mobility Photovoltaic Materials
10	Gélinas	The binding energy of charge-transfer excitons localized at polymeric semiconductor heterojunctions
11	Griffin	UPS data of organic semiconductors and organic/transition metal oxide interfaces
12	Groves	The effect of surface and bulk composition upon OPV performance
13	Holder	Spectral Response Techniques for Organic Solar Cells
14	Humphry-Baker	Using Förster Resonant Energy Transfer to Broaden the Spectral Response of Dye Sensitized Solar Cells
15	Jankus	Critical Role of Triplet Exciton Interface Trap States in Bilayer Films of NPB and $Ir(piq)_3$
16	Johnson	Photophysics of the Direct Conjugated Bridge in Diblock Copolymers
17	Kéna-Cohen	Coherent Random Lasing in Amorphous Thermally Evaporated Organic Thin Films: Characteristics and Implications
18	Labram	Monitoring microstructure evolution in polymer:fullerene blends using field-effect transistors

19	Latini	Charge separation by photoexcitation in semicrystalline polymeric semiconductors: An intrinsic or extrinsic mechanism?
20	Liu	Absolute Rate of Charge Separation and Recombination in a Molecular Model of the P3HT/PCBM Interface
21	MacKenzie	Non-geminate recombination and the density of states in P3HT:PCBM solar cell
22	Pearson	Nanoscale morphology development in polymer:fullerene photovoltaic blends during solvent casting and thermal annealing
23	Rao	Charge Dynamics in High Efficiency Organic Solar Cells
24	Rizzo	Hybrid colloidal nanocrystal/organic solar cells
25	Snedden	Ultrafast kinetic studies of geminate polaron recombination following hole-transfer in a RR-P3HT/Dye blend
26a	Stevens	Energy transfer in ssDNA-templated stacks of naphthalene chromophores
26b	Yong	Ultrafast Exciton Recombination Dynamics in Organic-Inorganic Hybrid Nanostructures
27	Stranks	Ultrafast charge separation at a single-walled carbon nanotube – polymer molecular junction
28	Urbina	Structural characterisation of organic bulk heterojunctions
29	Wallikewitz	Measurement of Excited State Dynamics in Polymer Light-Emitting-Devices via Transient Absorption Spectroscopy
30	Wharram	Ultra-Fast Photoinduced Dynamics and Fluorescence Depolarization in Conformationally Disordered Conjugated Polymers
31	Wilson	Exciton Fission in Pentacene Thin Films
32	Wright	Kinetic Monte Carlo simulations of disordered semiconducting polymers
33	Zheng	A new series of fluorescent carbazole-2,5-diphenyl-1,3,4-oxadiazole dyad molecules
34	Zou	Transparent Conductive Electrodes for Photovoltaics
35	Ossila Ltd	Company Information