

## 2nd Organic Electronics for Displays 2008

### 16 - 17 September 2008

### Imperial College London

This is the second two-day meeting organised by the UK and Ireland Chapter of the SID covering all aspects of organic semiconductors and their use in displays.

The scope of the meeting includes:

- OLEDs and OLED based displays
- OTFTs, OTFT based displays and display electronics
- OPVs and OPDs for power generation and imaging
- Semiconducting polymers, dendrimers and small molecules, insulator and electrode materials
- Patterning, fabrication and production methods;

It will involve presentations from both Industry and Academia.

The first meeting in 2007 included talks from Donal Bradley (Imperial), Jonathan Halls (CDT), Andrew Holmes (Imperial and Melbourne), Iain McCulloch (Merck) and Henning Sirringhaus (Plastic Logic).

This second meeting in 2008 will start with a Plenary address from Dago de Leeuw (Philips Research Eindhoven), who has been involved in Philips organic thin-film transistor programme for displays and electronics since its inception in the early 1990s. He has led 22 US patents, has 115 publications, and for his outstanding work in plastic electronics has received both the European Discover Award (1999) and the Descartes Prize (2000).

The Invited speakers list is not yet fully complete, but confirmed so far are Professors Jenny Nelson (Imperial), Franky So (University of Florida, ex Osram) and Mike Turner (University of Manchester).

There will be a prize for the Best Student Poster.

Overnight accommodation is available in Halls of Residence on campus.

Abstract submission date is 18 August 2008.

The full programme and registration form will be available about five weeks before the meeting.

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Since the discovery of polymer electroluminescence at the University of Cambridge in 1989, the United Kingdom has maintained a strong presence in the area of organic electronics. This discovery led to the founding of Cambridge Display Technology, which has since been followed by other organic electronic start-up companies. Current Industrial activity includes CDT, Plastic Logic, MicroEmissive Displays, Molecular Vision, OLED-T, Merck Chemicals and Kodak UK. UK Universities currently involved in this research area include Imperial, Cambridge, Oxford, UCL, QMUL, Sheffield, Manchester, St Andrews, Durham, Hull, Brunel and many others.

Organic light-emitting diode (OLED) based displays have already appeared in products such as MP3 players and mobile phones, and the first full-colour, large-area OLED display has now been commercialized. The use of organic thin-film transistors has also been demonstrated in liquid-crystal and electronic-paper displays. In 2005, Professor Donal Bradley FRS (Head of Department, Physics), Dr Jeremy Burroughes (CDT) and Professor Sir Richard Friend FRS (Cavendish Professor of Physics, Cambridge) won the prestigious SID Jan Rajchman Prize for discovering light-emitting polymers and developing these materials for displays. In 2006, Professor Steven Forrest (Princeton) and Professor Mark Thompson (UCLA) also won the same award for their work on phosphorescent OLEDs.

Imperial currently has more than seventy people involved in organic electronics research, principally in the Departments of Physics, Chemistry and Materials. The start-up company Molecular Vision Ltd developing microfluidic diagnostic platforms integrated with organic semiconductor light sources and

detectors is also based on campus. We are delighted to be able to host this event and look forward to welcoming you to the meeting.

Places are limited, so early registration is strongly encouraged.