



CONJUGATED POLYMER BLENDS FOR PHOTOVOLTAICS

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28th September 2009, 11:00 a.m. – 12:00 noon
Science Lecture Theatre S1

In this presentation I will provide an overview of our recent research in the area of polymer blend solar cells. Firstly I will provide a general introduction to organic semiconductors, the device physics of organic solar cells and a brief review of the present state-of-the-art. Then I will focus in more detail on recent research in Cambridge into polymer solar cells based on blends of conjugated polymers. In particular I will present recent advances in understanding how morphology, interfacial processes and charge trapping affect device performance. I will conclude by commenting on key challenges facing the organic photovoltaic community, and discuss possible ways forward.

Visitors are most welcome: Please note the parking arrangements. There is a designated Visitors Car Park (N1) clearly ground-marked by white paint and tickets, at a cost of \$3/day, are available from a dispensing machine. ('Blue' permit designated areas are for Monash members only.). It is also possible to park at other designated Visitors Car Parks (E1, S1 and S2) on the Clayton Campus, but tickets are \$1.4/hour.

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