

# SEMINAR

**“Nanostructure of organic solar cells analyzed  
by electron microscopy”**



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(KIT), Germany**

**Thursday 7 March, 2013  
11am – 12noon**

**Science Lecture Theatre S11, Building 26**

## **Abstract**

Electron microscopic techniques are frequently applied to study the nanomorphology of bulk-heterojunction based organic solar cells. Particularly interesting are the distribution, degree of crystallinity as well as size of donor and acceptor domains which strongly influence the conversion efficiency. Results for different material systems (P3HT:PCBM, P3HS:PCBM, FHBC:PCBM) will be presented, e.g., on the influence of the processing conditions on the nanomorphology. The application of different electron microscopic techniques is required, depending on the properties of the specific material system.

Convenors:  
Professor Joanne Etheridge  
Director, MCEM

Dr Scott Watkins  
CSIRO

*Visitors are most welcome: Please note that there are designated Visitors Car Parks clearly ground-marked by white paint and tickets, at a cost of \$11.10 for up to 3 hours, available from a dispensing machine. Please refer to the Clayton Campus Map at the following link for the various carparking facilities.*