



School of Mathematical Sciences
2008 Seminar Series

Dye-sensitised solar cells

Speaker: Professor Anders Hagfeldt

Date: Tuesday 5 August

Time: 10:00 AM

Location: O412, Gardens Point Campus, Queensland University of Technology

Following the seminar, morning tea will be served in the School of Mathematical Sciences staff room (O614).

Abstract: The talk will summarise the research and development activities of dye-sensitised solar cells (DSCs), focusing on the development of characterisation techniques of complete DSC devices.

Professor Anders Hagfeldt is an internationally recognised researcher in the area of solar cells. He has conducted research in the field of dye-sensitised solar cells since working as a postdoctoral fellow with Professor Michael Graetzel (the inventor of the DSC) at EPFL in Lausanne in 1993. He has published over 140 refereed journal papers, with more than 6000 citations, on all aspects of DSCs, including fundamental transport of charge in TiO₂, dye chemistry and properties, electrolytes, and novel fabrication and testing methods. He has written major reviews of DSCs including book chapters. He is a world leader in developing techniques for studying the physical processes and chemical reactions occurring in DSCs.

Presented by the School of Mathematical Sciences, QUT

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