Workshop 2 : Adaptive Optics beyond Astronomy

Thursday 3rd of November 2005
Bioengineering Lecture Theatre (Foyer Level 2)
Wolfson Centre, Strathclyde University

As part of the dissemination for the Basic Technology project on deep time resolved imaging a workshop on the use of adaptive optics outside astronomy will be held at the University of Strathclyde on the 3rd of November 2005. This meeting will be jointly hosted by the Institute of Photonics and Oxford University. The main focus of the meeting will be on the use of adaptive optics for improved imaging at depth and will be of interest to physicists and life scientists working in these areas. If you wish to present a poster on related work please inform us when you register.

Program

10:45	Coffee and registration
11.15	Welcome (B. Vojnovic / J.Girkin)
11.20	Overview of Oxford Adaptive Optics (T. Wilson)
11.35	Measurement and characterisation of specimen induced aberration (M. Schwertner)
11.55	Wavefront sensing and correction for microscopy (M. Booth)
12.15	Overview of Strathclyde Adaptive Optics (J. Girkin)
12.30	Optimisation algorithms for Adaptive Optics in microscopy (A. Wright)
1.00	Lunch, tour of the Centre for Biophotonics, Posters
2.10	*Other Applications of Adaptive Optics*
2.10	Free space optics (D. Burns)
2.30	Laser control (W. Lubeigt)
2.50	3D optical memory and micromachining (M. Booth)
3.10	Tours, Posters, Coffee, Discussion
4.00	Finish

For registration please contact Lisa Flanagan at lisa.flanagan@strath.ac.uk

Further details can be found at www.deepimaging.org, www.photonics.ac.uk, www.acara.eng.ox.ac.uk/som