



THE CONFERENCE

organised by enlighten meetings

Active & Adaptive Optics (C4)

Date: Tuesday 18 October 2011

Venue: Ricoh Arena • Coventry • UK



CO-SPONSORED

IOP Institute of Physics
Optical Group

Programme

TUESDAY 18 OCTOBER 2011

Exhibition Open: 10.00 - 17.00

10.00 - registration & coffee -

10.25 Introduction to Meeting

SESSION 1

10.30 Nanometric 3D tracking in live-cell biology using wavefront sensors
Invited Speaker: Prof Alan Greenaway, Heriot Watt University

11.05 Adaptive phase compensation for ultracompact confocal endomicroscopy
Alex Thompson, Imperial College London

11.25 Widefield AO microscopy based on image sharpness optimization in a sensorless and sensed configuration
Cyril Bourgenot, Durham University

11.45 Closed loop adaptive optics in fluorescence microscopy
Mike Shaw, National Physical Laboratory, UK

12.05 Registration and selection of AO-corrected fundus images
Dr Nicholas Devaney, NUI, Galway, Ireland

12.25 - lunch & exhibition -

SESSION 2

13.50 Almost real-time imaging through horizontal turbulence
Invited Speaker: Dr Gleb Vdovin, Flexible Optical BV, The Netherlands

14.25 Optimal techniques for the detection of exoplanets
Dr Nicholas Devaney, National University of Ireland, Galway

14.45 Dual adaptive optics system for laser processing of diamond
Richard Simmonds, University of Oxford

15.05 Adaptive optics in 3D microfabrication of photonic devices
Dr Patrick Salter, University of Oxford

15.25-15.45 - tea break -

SESSION 3

15.45 Development of a high resolution bimorph deformable mirror for free-space optical communications
Mike Griffith, BAE SYSTEMS (Operations) Ltd, ATC

16.05 Smarter' ultrafast lasers with intracavity deformable mirror
Dr Nikolaus Klaus Metzger, University of St Andrews, UK

16.25 Development of MEMS micromirrors for intracavity laser control
Dr Walter Lubeigt, University of Strathclyde, UK

16.45 - end of meeting -

The Committee

The technical committee comprises of:

Dr Nicholas Devaney, NUI Galway, Ireland

Dr Leslie Laycock, BAE Systems

Dr Carl Paterson, Imperial College London

REGISTRATION IS REQUIRED

Delegate Fees - Include refreshments and lunch

Delegate fee: £85 (plus VAT)

Member of sponsor organisation: £68 (plus VAT)

Students: £45 (plus VAT)

One-day pass for all meetings

Full Conference Pass: £165.00 (plus VAT)

Full Conference Pass Student: £95.00 (plus VAT)

Two-day pass includes all meetings

Please register online at:

www.photonex.org/conference/Active-and-Adaptive-Optics.html

Arranged by Enlighten Meetings

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