

SPECTRAL IMAGING III

THURSDAY 6TH OCTOBER AT PHOTONEX05, STONELEIGH PARK, COVENTRY, UK

ONE DAY MEETING PROGRAMME

Chair

Dr Andy Harvey, Heriot-Watt University

10:30 COFFEE AVAILABLE

10:55 INTRODUCTION TO MEETING

11:00 **Real-life examples of spectral imaging**

T. Hyvarinen and J.R. Gilchrist¹
 SPECIM, Spectral Imaging Ltd., ¹Gilden Photonics Ltd

11:20 **Use of hyperspectral imaging for blood oxygen saturation mapping in skin inflammation**

P. Rodmell, D. Morris, N. Brown¹, J. Crowe and A.C. Hargreaves¹
 School of Electrical and Electronic Engineering, University of Nottingham
¹AstraZeneca R&D Charnwood

11:40 **Spectral imaging of the retina**

E. Theofanidou, I. Abboud, S. Ramachandran, A. McNaught¹ and A.R. Harvey
 School of Engineering and Physical Sciences, Heriot-Watt University, ¹Cheltenham Eye Clinic

12:00 **Validation of remotely sensed spectral data**

H.M. Pegrum and N.P. Fox.
 Quality of Life Division, National Physical Laboratory

12:20 LUNCH BREAK / TIME HAS BEEN ALLOCATED TO ALLOW YOU TO VISIT THE EXHIBITION

14:00 TEA AVAILABLE

14:30 **The effectiveness of geometric spectral unmixing techniques for subpixel target detection in HSI applications**

P.W.T. Yuen, A. Blagg and G. Bishop
 BAE Systems, Advanced Technology Centre, Sowerby Building

14:50 **Two-dimensional snapshot spectral imaging**

A. Gorman, A.R. Harvey
 School of Engineering and Physical Sciences, Heriot-Watt University

15:10 **Measuring the appearance of surfaces using Multi-Spectral Analysis**

R. Montgomery, M. Pointer N. Fox, D.W. Fletcher-Holmes¹ and A.R. Harvey²
 Quality of Life Division, National Physical Laboratory; School of Engineering and Physical Sciences, Heriot-Watt University; ² now at Cambridge Research and Instrumentation, MA, USA

15:30 To Be Confirmed

15.50 End of Meeting

- Attendance at this meeting is FREE
 - Tea & Coffee will be provided during the morning and afternoon breaks, lunch may be purchased in the Exhibition Hall
 - Please register in advance for PHOTONEX to ensure you receive updates and breaking news about the event.
 - This meeting will be held in the Royal Pavilion, Stoneleigh Park
 - Travel details on the website at www.photonex.org
- More information at www.photonex.org/events.htm or call +44 (0)1372 750555

Technical information from:

Dr Andy Harvey, Heriot-Watt University, a.r.harvey@hw.ac.uk
 Tel +44 (0)131 451 3356 Fax +44 (0)131 451 4155