



**Imaging Science & Medical Groups  
of  
The Royal Photographic Society**

# **ADVANCES IN MEDICAL & FORENSIC IMAGING**

One day meeting

**MONDAY FEBRUARY 23<sup>rd</sup>. 2009**

at  
**THE ROYAL SOCIETY  
6, Carlton House Terrace  
London  
SW1Y 5AG**

of interest to:  
clinical scientists, forensic scientists, radiographers, medical  
photographers, equipment developers, research scientists,  
pathologists and police officers etc.

**REGISTRATION £110 incl. VAT      Student / retired concessions £55**

**To Register    see    [www.rps-isg.org](http://www.rps-isg.org)**

or contact  
**Mr R Tapper, Medical Illustration Dpt  
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London EC1A 7BE**

# Advances in Medical and Forensic Imaging

## Provisional programme

February 23<sup>rd</sup> 2009, The Royal Society, London

Registration 9.30 - 10.15 (coffee)

Introduction Prof. Francis Ring

10.15 - 10.40 The Forensic Digital Imaging Dilemma - Uncertainties, Integrity and Authenticity  
Mr H.Ebrahim ( S.Africa)

10.40 - 11.05 Terahertz Imaging & Spectroscopy in Security, Medicine & Process Control.  
Dr A. Zeitler (Cambridge)

11.05 - 11.30 Next Generation 3D displays using Liquid Crystal Dynamic Phase Holograms  
Dr Tim Wilkinson. Cambridge University

11.30 - 11.50 Depth from motion 3D X-ray Imaging  
Prof. Paul Evans, Nottingham Trent University

11.50 - 12.30 keynote: Microwave Imaging and its Potential Medical Applications  
Prof. Jeff Hand ( Imperial College)

12.30 - 1.30pm LUNCH

1.30 - 1.55 Ultra Wideband Radar Imaging of Breast Cancer  
Prof. Alan Preece, Dr I.Craddock, M.Klenn, J. Lendertz, R Benjamin. MICRIMA. ( Bristol )

1.55 - 2.20 The development of an X-ray Colour Imaging System for the Identification and Characterisation of materials.  
Prof. D Cernik ( Manchester)

2.20 - 2.45 From X-ray Astronomy to Gamma Scintigraphy, Designs on High Resolution Medical Imaging  
Dr John Lees Head Bio-Imaging Unit, Leicester Univ.

2.45 - 3.10 Equating Digital System Resolution with TVL's for Identification and Observation  
K MacLennan et. al. Home Office

3.10-3.30pm TEA / Coffee

3.30 - 3.55 Advances in Laser Imaging for Microvascular Blood Flow  
Howell KJ, Harris N, Buick TA, Gush R, Denton CP, Smith RE  
Royal Free Hospital, London & Bath, RNHRD.

3.55 - 4.15 Thermal Imaging as a diagnostic aid for hand syndromes  
Mr. R Vardasca.. Fac. Advanced Technology, Univ. Glamorgan

4.15 - 4.45 The Technology & Applications of Hyperspectral Imaging across the Spectrum from UV to LWIR  
Dr John Gilchrist. Gilden Photonics

5pm close