

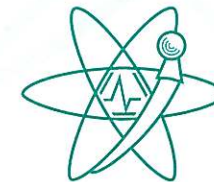
PROVISIONAL PROGRAMME

TOWARDS THE LIGHT
**OPTICAL RADIATION: RESEARCH,
MEASUREMENT & SAFETY**

**27 & 28 September 2006
University of Reading**

Organised by the IPEM Ultrasound & Non-Ionising Radiation
Special Interest Group

Co-sponsored by the Institution of Engineering and Technology



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PROVISIONAL PROGRAMME

WEDNESDAY 27 SEPTEMBER 2006

- 09:00 - 09:55 **Coffee and registration**
- 09:55 - 10:00 **Introduction**
Malcolm Sperrin, Medical Physics, Royal Berkshire & Battle Hospitals
- 10:00 - 10:30 **Calibration of UV Meters for Phototherapy**
Andrew Coleman, Medical Physics, Guy's & St Thomas' Trust, London
- 10:30 - 11:00 **Optical Radiation Measurement – Traceability in Medical Measurements**
Paul Miller, National Physical Laboratory
- 11:00 - 11:25 **Neonatal Phototherapy – Why Can't We See The Light?**
Graham Hart, Medical Physics, Bradford Royal Infirmary
- 11:25 - 11:50 **Coffee**
- 11:50 - 12:15 **Recent Developments in Phototherapy for the Treatment of Crigler-Najjar Syndrome**
Graham Hart, Medical Physics, Bradford Royal Infirmary
- 12:15 - 12:35 **Vibrational Spectroscopy: a tool for disease diagnostics**
Catherine Kendall, Cranfield Biophotonics Research Group, Gloucester Hospitals NHS Trust
- 12:35 - 12:55 **Fluorescence Lifetime Imaging (FLIM) with a Scanning Laser Ophthalmoscope**
A Manivannan, Dept. of Radiology, Aberdeen University and Grampian University Hospitals
- 12:55 - 13:55 **Lunch**
- 13:55 - 14:35 **Potential Implications of the EU Artificial Optical Radiations Directive for Healthcare Facilities**
John O'Hagan, Radiation Protection Division, Health Protection Agency
- 14:35 - 14:55 **UV Exposure of Phototherapy Equipment Operators**
Helen Amatiello, North Western Medical Physics, Christie Hospital NHS Trust, Manchester
- 14:55 - 15:20 **Tea Break**
- 15:20 - 15:40 **Radiation Risk Assessment of the Natus Hydrosun 300 Infant Warmer**
Fred Wilson, Great Western Hospital, Swindon
- 15:40 - 16:00 **Disposable Gloves for protection from ultraviolet exposure**
M Khazova, Radiation Protection Division, Health Protection Agency
- 16:00 - 16:20 **Towards Traceable Measurements of Intense Pulsed Light Sources**
Paul Miller, National Physical Laboratory
- 16:20 - 16:40 **Discussion & Close Meeting**

THURSDAY 28 SEPTEMBER 2006

- 08:30 - 09:00 **Coffee and registration**
- 09:00 - 09:30 **Welcome and Chairman's Introduction**
John O'Hagan, Radiation Division, Health Protection Agency
- 9:30 - 10:00 **Training and Accreditation of Competence in Laser Use**
Graham Hart, Medical Physics, Bradford Royal Infirmary
- 10:00 - 10:30 **Professional Accreditation in Laser Safety**
Roy Henderson, Bioptica
- 10:30 - 11:00 **Coffee Break**
- 11:00 - 11:30 **Regulation of Laser Safety by the HSE**
Mark Bradley, Health and Safety Executive
- 11:30 - 12:00 **Regulation of Laser Safety by the Healthcare Commission**
Dawn Harwood, Healthcare Commission
- 12:00 - 12:30 **Discussion**
- 12:30 - 13:30 **Lunch**
- 13:30 - 14:00 **The Laser Safety Management Approach**
Nigel Cridland, Radiation Protection Division, Health Protection Agency
- 14:00 - 14:30 **Quality Management System Principles Aid LPAs**
Mike Barrett, Pro Laser Consultants
- 14:30 - 15:00 **Safety Issues from Intense Pulsed Light Sources**
Bill Davies, Swansea NHS Trust
- 15:00 - 15:30 **Tea Break**
- 15:30 - 15:50 **Adverse Incidents – Managing and Reporting**
Mel King, Medicines and Healthcare products Regulatory Agency
- 15:50 - 16:10 **Case Study 1 – Laser Safety Management in an NHS Hospital**
Nirmal Raj, Clinical Physics, Barts and The London NHS Trust
- 16:10 - 16:30 **Case Study 2 – Laser safety Management in a Clinic**
Mike Mayo, Medical Physics & Biomedical Engineering, Plymouth Hospitals NHS Trust
- 16:30 - 17:00 **Discussion & Close Meeting**

PLEASE NOTE THERE WILL ALSO BE AN EXHIBITION AND POSTER DISPLAY