

Conference and Industry Programmes

C6: Novel Sources & Detectors



Thursday 4th November 2010
A one-day meeting at Photonex10
Beckbury Suite, The International Centre, Telford, UK

Programme

This meeting will be an important opportunity to network with leaders in novel sources and detectors technologies. For those new to these technologies this will be an excellent chance for professional development.

10.00-10.30 - Registration in Foyer -

10.10 - Coffee in Meeting Room -

10.35 Introduction to Meeting

SESSION 1

10.40 **Ultra-compact & innovative mini-spectrometer opens up new & exciting avenues for mobile measurement equipment**
Ray Livingstone - Hamamatsu Photonics UK Ltd

11.00 **Mid-Infra red lasers and detectors containing both arsenides and antimonides**
Prof Tony Krier - University of Lancaster

11.20 **High-power diode-laser bars and modules in the 1.94 μ m range, and their application**
Nicholas Harrop - DILAS Diodenlaser GmbH

11.40 **Novel DFB quantum cascade laser sources at 3-4 μ m**
Dr Thomas Slight - CST Global Ltd

12.00 **Monolithically integrated GaAs/AlGaAs optical encoder solutions**
John Carr - Renishaw plc

12.20 - Lunch Break & Exhibition Visit—

SESSION 2

14.00 **Applications of laser diode sources with integrated resonant tunnelling diode technology**
Prof Charles Ironside - University of Glasgow

14.20 **InP/AlGaInP 7xx nm quantum dot lasers**
Prof Peter Snowton - Cardiff University

14.40 **New light sources for bio-medical imaging**
Prof Richard Hogg - University of Sheffield

15.00-15.20 - Tea Break—

15.20 **Detecting to sub-ppm levels with NDIR pyroelectric detector sensors**
Chris Varney - Laser Components (UK) Ltd

15.40 **Highly parallel phase-sensitive optical detection with multi-channel lock-in CMOS image sensors**
Nick Johnston - University of Nottingham

16.00 - Meeting End -

The Organising Committee

The technical committee comprises:

Dr Jason Slack, Renishaw Ltd

Dr Wyn Meredith, CST Global Ltd - am session chairman

Prof Mohamed Missous, University of Manchester - pm session chairman

On behalf of the Optical Group of the Institute of Physics

REGISTRATION IS REQUIRED

Delegate Fees:

Standard fee: £45

IOP members: £39

Students: £27

All prices include lunch & refreshments and VAT

Please register to attend online at:

www.photonex.org/conference/nsd.php