



Photonic Sources & Detectors Workshop

15:00 ~ 18:00, 3 March 2010

**Still Room, IET Teacher Building,
14 St Enoch Square, Glasgow, G1 4DB**

The Scottish Optoelectronics Association, Photonics & Plastic Electronics (PPE) KTN and OptoCem.Net invite you to participate in a "Photonic Sources & Detectors Workshop". The event will be of great interest to companies and researchers in the field and everyone will have the opportunity to contribute.

Research and industry continue to push the availability of solid state sources and detectors into shorter UV, longer IR and Terahertz wavelengths. Devices at new wavelengths open up new applications and cause step changes in the cost and performance of systems which use them. New and potential applications include, Gas and Chemical Sensing (UV, IR), Disinfection (UV), Imaging (IR, THz), etc.

Speakers at the event will summarise recent advances in the field. The event will build on "UV, IR & THz Solid State Sources & Detectors" held on 14 January 2009, also run by the SOA. Output from the 2009 event included a document created by delegates, detailing key Applications, Features, Technology Drivers & Barriers for UV, IR and THz Sources & Detectors. This material will be reviewed and discussed.

Event Programme:

14:30 Registration & Coffee

15:00 Welcome & Introduction, Dr Alistair Tweedie, SOA

15:10 Support Actions: Activities in Europe, UK-wide and Scotland,
Chris Gracie, SOA

15:30 Title to be confirmed, Dr. Graeme Malcolm, M Squared Lasers Ltd

15:50 "2 to 5 Micron Lasers and Applications" Dr David Burns, Institute of Photonics

16:10 Coffee Break and Networking

16:40 "Single Photon Avalanche Diodes Compatible with Standard
Nanometer Scale CMOS Technology for Time-Correlated Imaging",
Justin Richardson, ST Microelectronics

Continued overleaf

17:00 "A Hybrid Silicon/Organic Semiconductor Photodiode with Enhanced UV Response", Jack Levell, University of St Andrews

17:20 UV, IR & THz Sources & Detectors 2009 Industry Survey – What next?
Dr Alistair Tweedie, SOA

18:00 Close

Registration and Table Top Displays:

To register for the event please email: alistair.tweedie@optoelectronics.org.uk

Attendance is free of charge and Table Top Displays will be made available at £100 + VAT. Please indicate if you would like to reserve one.

Sponsoring Organisations:

The Scottish Optoelectronics Association is the trade association for optoelectronics in Scotland. Its objectives are to actively promote the interests of the Scottish optoelectronics industry and academic research community. For more information please visit: www.optoelectronics.org.uk

The Photonics & Plastic Electronics KTN is one of around 20 Knowledge Transfer Networks set up by the UK Government's Technology Strategy Board. Its objective is to promote the UK photonics community through representation to Government, networking events, a rich content portal and providing guidance and advice. For more information please visit: www.photonicsktn.org

OptoCem.Net is The UK Optoelectronic Chemical Sensing Network funded for three years from April 2005 by the DTI/Technology Strategy Board. Its purpose is to stimulate collaborative research, development, commercial exploitation and best use of optoelectronic gas and chemical sensing. For more information please visit: www.optocem.net

Travel to Venue/Parking:

The IET Teacher Building is in the centre of Glasgow just to the West of St Enoch's Shopping Centre and within easy walking distance from Central and Queen Street Railway Stations. Several multi-story car parks are nearby, St Enoch's Shopping Centre Car Park and Central Station Car Park being two of the closest.