

6 April 2006

National Physical Laboratory  
Teddington, Middlesex

*A one-day workshop on:*

# ***Laser safety and the Standard***

**(EN 60825-1: 2001\*)**

Applications in safe laser use and laser product design

Registration Fee: £290 plus VAT

**The aim of the workshop** is to provide awareness of the current BS and European Standard EN 60825-1, associated standards and their implications. In 2001 a major amendment altered the MPEs, abolished class 3A and introduced three new laser classes. As well as outlining these and other changes, topics will include:

- \* Hazards from optical sources
- \* Laser classification
- \* Requirements for interlocks
- \* Implementing a laser safety programme
- \* Safety calculations
- \* Risk assessment
- \* Legal requirements
- \* Optical fibre communication systems

The workshop will instruct in safe working practices for users of lasers and light emitting diodes (LEDs) and is aimed at scientists and engineers using lasers in the laboratory and in industry. It will also be of use to safety advisers, managers of laser and LED users, and product designers. A certificate of attendance will be provided.

**Instruction** will be provided by Professor Bryan Tozer, Robert Wells and Paul Tozer from **Lasermet Ltd.** Professor Bryan Tozer has more than 40 years experience in laser safety and was for 20 years the senior laser safety adviser to the UK electricity industry. He is currently chairman of the British laser safety standards committee, a post he has held for over 15 years, and chairman of the European laser safety standards committee.

**The location** for the workshop is the National Physical Laboratory at Teddington, Middlesex. NPL is the UK's national standards laboratory and its primary role is to support the UK's national measurement system to ensure consistency and traceability of measurements throughout the UK. NPL is situated on the edge of Bushy Park, close to Hampton Court, and is easily accessible from the M3 motorway, via rail (Teddington railway station is served by a frequent train service to London) or from Heathrow airport.

To make a reservation please complete and return the form overleaf.

For more information please contact:

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\* this standard is referred to by BSI as BS EN 60825-1:1994 pub. Sept. 2002 (incorp. amends. 1, 2 and 3)

