



PRESS RELEASE

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Pioneering Laser Shearography System Receives Prestigious Award

Laser Optical Engineering Ltd (LOE) has received an Achievement Award from the Worshipful Company of Instrument Makers (WCSIM) for its pioneering Strain Mapper system.

The award is given for contributions to research, design, development, new applications or techniques, or any meritorious efforts in the field of scientific instrumentation.

Strain Mapper takes laser shearography – a laser-based measurement technique pioneered by LOE's Managing Director Dr. John Tyrer - into the field, delivering a university-developed idea into the heart of the industry.

"We have a method of measuring internal strain of everything from engines to bridges and cars to aircraft", explains Dr Tyrer. "Because we can generate measurement capability which didn't exist before, companies are coming to us to see how their complex 3D structures are working".

In addition, Strain Mapper can assist in medical research and is currently being used to assess strain in limb and joint prostheses and in the cornea.

"Our work with the medical research and design communities is massively important", says Dr. Tyrer. "If we have a better understanding of what the body is up to, we can start to think in new ways about current procedures".

Speaking about the award nomination, Dr Tyrer reflects, "Receiving this award is a great honour. The WCSIM is a well-respected group within our field of research and its appreciation of our technology underlies the real-world value of Strain Mapper".

Notes for editors about Laser Optical:

Laser Optical Engineering Ltd (LOE) is an expert technology company, specialising in the development of innovative and bespoke laser based vision products and services.

Established as an independent spin-out company from Loughborough University in 1996, Laser Optical is a customer focussed company offering you access to a range of expertise. We pride ourselves on an ability to turn theoretical ideas into commercial products which can be used in real-life situations.

The company is a member of AILU, the UK's Association of Industrial Laser Users and the Photonics Cluster and is certified to ISO 9001:2000 standard.

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