

Press Release

**Instrument Systems GmbH at LASER 2003**

## **The World of Optical Metrology**

*Munich, 8 May 2003* – Instrument Systems GmbH has prepared a host of innovations and upgrades for LASER 2003, which is being held in Munich from 23-26 June. Stand C1.370, Hall C1 is where the specialists in optical metrology will launch the LumiCam 1300 Imaging Photometer and Colorimeter with FireWire interface optimized for mobile applications. The new integrating spheres with a diameter of 200 mm and 500 mm represent another world premiere that again underscores the technological leadership of Instrument Systems in LED metrology. Both spheres are equipped with an auxiliary light source that now permits precise spectroradiometric analysis of high-power LEDs and LED clusters.

The new mobile LumiCam 1300 Color is an optimized package for applications in the field, with FireWire data transfer and a powerful battery pack giving independent operation for up to 6 hours. This imaging photometer and colorimeter has a proven track record in laboratory operation and it is now available for taking on-site measurements where displays are actually located. A spectroradiometric display test station with motorized 5-axis positioning system is also on show at LASER. This system can be used for analyzing the spatial radiation pattern of flat panel displays, LED clusters, and panel graphics.

Instrument Systems has developed the two new integrating spheres with diameters of 200 and 500 mm, reflecting the increased importance of high-power LEDs and LED clusters across the illumination market. They complete an extensive range of accessories for CIE analysis of optical parameters at LEDs (luminous intensity, luminous flux, color and spatial radiation pattern).

Instrument Systems presents the GON360 goniometer from the application range of transmission and reflection measurement. This instrument allows users to perform multi-angle measurements and analyze angle-dependent transmission and reflec-

tion behavior of optical components and coatings, for example metallic paints. The line of polarization analyzers for determining stress birefringence has received a number of awards and completes the exhibition range presented by Instrument Systems GmbH at LASER 2003.

### **Company Profile of Instrument Systems GmbH**

*Instrument Systems GmbH was founded in 1986 and is based in Munich, Germany. The company develops and manufactures precision instruments and systems for optical metrology. These include high-performance array and scanning spectrometers. It also offers innovative solutions with polarization analyzers, and imaging photometry and colorimetry. Instrument Systems provides support for a global customer base with backup from a comprehensive network of representatives, and subsidiaries in Canada and France. Instrument Systems focused at an early stage on LED and display metrology and has since developed into a leading supplier in these areas.*