

## **LED professional Symposium and Exhibition 2011 – Europe's foremost technology LED-event**

The technology of Light Emitting Diodes (LED) is not new, but its application in lighting technologies is. With the development of high-efficiency and high-performance LEDs it has become possible to use LEDs in lighting and illumination. This kind of lighting technology has shown a very fast and interesting development. It is very flexible and consumes much less energy than conventional lighting systems do. A building's carbon footprint from lighting can be reduced by 85 percent by exchanging all incandescent bulbs with new LED lighting.

The LED professional Symposium and Exhibition (abbreviated: LpS 2011) takes place from the 27th to the 29th of September, 2011 in western Austria. It is being organized by LUGER RESEARCH, and the venue is the „Festspielhaus“ (Festival House) in Bregenz:

Festspielhaus  
Platz der Wiener Symphoniker 1  
6900 Bregenz  
Austria

This meeting of experts from all over the world is planned to become an annual event because LED lighting technology has a big influence on the development of new lighting solutions and is applied in all areas of lighting. It aims to be Europe's foremost LED lighting technology meeting point for lighting experts operating in industry and research.

### **The Symposium**

At the LED professional Symposium and Exhibition 2011, up to date information about the newest technologies and developments will be presented. Visitors will see the latest, as yet, unpublished technology presentations on the subject of LED-technologies and their applications put forward by experts from all over the world. These experts will also be available for detailed technical discussions during the whole event. It is the ideal platform for dialogues between people from the fields of research, industry, product development and application. The symposium covers LED lighting technologies for illuminants, lamps and modules focusing on new system approaches, new components and the most up-to-date design techniques. A comprehensive program regarding this topic is offered. The LED professional Symposium and Exhibition mainly targets interest groups who are eager for new information about LED lighting technology and its application in light modules and lighting elements.

### **The Exhibition**

Running concurrently with the symposium is an exhibition of products and LED-technology services. This will be the ideal opportunity to make new contacts with a vast amount of people in the lighting industry, to help you expand your networks, find solutions and see products demonstrated. The exhibitors are a diverse mix of companies which include manufacturers, distributors, laboratories, institutes of the lighting industry that deal with LED-technology and government organizations.

**Topics covered at the LpS 2011:**

- Evolution of LED lighting systems
- Technologies for increased efficiencies of white light LED systems
- Technologies for mixing LED light
- Reliability of LED lighting systems
- Standardization & measurement of LED lighting systems
- Design approaches & tools of LED lighting systems
- Cost & production process improvements for LED lighting systems

**System areas covered at LpS 2011:**

- Light generation
- Primary & secondary optics
- Driver ICs
- Lighting driver modules
- Cooling devices
- Substrate, packaging & connection devices & materials
- Lighting control modules
- Lighting design tools & configurators covering optics, electronics & thermal components
- Measurement & calibration equipment
- Production methodologies & manufacturing tools

**Luger Research – Institute for Innovation and Technology**

Luger Research was founded in 2001 by Siegfried Luger who initiated a co-operation with Invention Machine Corporation (USA). The founding of SPIN (Strategic Product Innovation Networks) followed in 2002. In the year 2004 Luger Research was one of the top 100 start-up companies in Austria. One year later the TRIZ-certification and the Six-Sigma certification were awarded. In 2006 Luger Research started publishing the LED Professional media and in 2009 a LED Lighting Laboratory was set up. This year the Luger Research team are organizing the first LED professional Symposium + Expo (LpS 2011).

„Luger Research supports companies' R&D activities to ensure successful product developments”, says Siegfried Luger. The following services are offered:

- Technical Information for LED lighting through LED professional and LED professional Symposium + Expo (LpS)
- Research studies in LED lighting

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More information about LpS2011 is available at <http://www.lps2011.com>

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