

**Adding value to lighting systems NOW - advancements in optics, controls and devices & packages to create killer products**

**1:45 OPTICS**

Chair:

*Quality of Light*

**Color Quality Design for Solid State Lighting**

Yoshi Ohno, Group Leader, *National Institute of Standards & Technology (NIST)*

**Warm glows and brilliant sparkles: Omnidirectional lighting with LED lamps and luminaires**

Andy Beregszaszi, Vice President Engineering, *Illumination Machines*

**The Observation of Nano and Micro Scaled Optical Blinking Phenomena in the Emission of InGaN LEDs: Characterization and Models**

Ruggero Micheletto, Kotaro Oikawa, and Junichi Komatsu

*Yokohama City University, Graduate School of Nanobioscience*

**Highly Efficient Optical Design to improve LED performance**

Michael Georgalis, Marketing Manager, Fusion Optix

**2:30 B2B Networking Panelist Session (Limited Seating!):**

Join TÜV SÜD alongside a panelist group of LED experts in the **Las Palmas room** for a lively discussion on "Regulations on SSL: Power Up on Industry Perspectives." This session will focus on the many challenges facing manufacturers related to new specs coming to market, the new volume of LED products per year coming to market, the pace of technology versus product development and time to market and certification, and provide conference participants with insights from leading industry experts.

**3:00 INTELLIGENT CONTROLS**

Chair: Brian Chemel, Co-Founder & CTO, *Digital Lumens*

**Intelligent controls: how addressable ballasts, LED drivers, and shades allow for flexible lighting systems**

Tom Shearer, Design and Development Leader, *Lutron Electronics Co Inc.*

**Why LED Lighting and Low Voltage Infrastructure is the Optimum Solution for Energy Savings**

Dave Leonard, CEO, *Redwood Systems*

**Panel discussion**

- Balancing energy savings vs. usability/aesthetics
- Next generation control technologies and emerging standards
- Integration with building automation systems

4:00 Refreshment break

**4.30 DEVICES & PACKAGES**

Chair: J. Norman Bardsley, President, *Bardsley Consulting*

- Dr. Joerg Strauss, Director of Research - Solid State Lighting (RSSL), *OSRAM SYLVANIA Central Research*
- Mark McClear, *Cree, Inc*
- Shawn Du, Senior Manager - LED Sales, *Nichia America Corporation*

5:45 Conference Adjourns for the day

*Please join your industry colleagues in the exhibit hall for our Grand Evening Reception.*