

# LS 13

## International Symposium on the Science and Technology of Lighting

Troy, New York, June 24-29, 2012

The **International Symposium on the Science and Technology of Lighting (LS)** has been held regularly since 1973. LS continues to provide a unique opportunity for the worldwide community of engineers and scientists from the lighting industry, research organizations and academia to meet, present and discuss their work on light source research and development.

LS13 will be held at Rensselaer Polytechnic Institute in Troy, New York and coordinated by Rensselaer's Lighting Research Center, the world's leading university-based research and education organization devoted to lighting.

Troy is located in upstate New York along the scenic Hudson River and is part of New York's progressive Tech Valley region. Rural charm, urban excitement, and cutting edge science attract visitors year-round in pursuit of the best in outdoor recreation, arts and entertainment, and world-class research and education facilities.



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### **The Program: From Physics to Human Factors**

The LS organization recently decided to modify the series name (previously called International Symposium on the Science and Technology of Light Sources) to better reflect the addition of human factors and lighting applications into the conference program.

The LS community's interests have reflected contemporary lighting technology during its nearly 40-year history and this has resulted in a growing and significant representation of solid-state lighting (SSL) technologies in its program. The conference will include a forum for scientists, engineers and designers to discuss all aspects of fundamental and applied research on SSL, specifically white light emitting diodes (LEDs), in a stimulating and informed atmosphere.

### **Lectures and Posters**

The conference comprises keynote lectures, invited lectures, and landmark lectures, either invited or selected from contributed papers.



All posters will be displayed throughout the entire week of the conference. On each of the full program days there will be one poster session of one hour duration in the morning, and one session of two hours at the end of the afternoon. During the afternoon poster sessions, refreshments will be provided. Authors of posters are invited to attend their posters for the full day on which these are scheduled in the program; on the other days poster authors are free to view and discuss the other posters. This will allow for those attending the conference to make plans for visiting posters at times when the authors will be present to answer questions.

### **Refereeing of Contributed Papers**

All contributed papers must be submitted via the conference website, which will be prepared to accept papers beginning January 16, 2012. A template for the Contributed Papers and Invited Papers will be provided in MS-Word.

### **Social Events**

Information on social events is forthcoming and will be available as part of the registration process via the website, which is scheduled to launch January 2012.

### **The topics of the joint conference include:**

The topics of special interest for LS13 are related to:

#### *Discharge/plasma lighting systems*

Abstracts for this area would focus on new developments in, but not restricted to, fluorescent, electrodeless, and high intensity discharge sources and systems.

#### *Solid-state lighting systems*

Abstracts for this area would focus on new developments in or evaluations of organic and inorganic light emitting diode systems.

#### *Metrics for assessing the benefits of lighting systems*

Abstracts for this area would focus on new measures of discomfort glare, color rendering, brightness and circadian effectiveness of light sources.

#### *Applications of novel lighting systems*

Abstracts for this area would focus on unique applications of lighting systems with emphasis on temporal, spatial, spectral control systems, non-human (plant, animal, bacterial) applications, novel approaches to traditional problems in illuminating engineering.

### **Important Dates**

Announcement and call for papers	December 8, 2012
Opening of online registration	January 16, 2012
Opening of paper submission and refereeing	January 16, 2012
Deadline for paper submission	March 16, 2012
Deadline for early registration	April 16, 2012

### **Website and Contact Information**

All information on the conference will be posted on the website: <http://www.lrc.rpi.edu/ls13>. The site is schedule to launch January 2012.

E-mail inquiries can be directed to [LS13@rpi.edu](mailto:LS13@rpi.edu)