

SSL Postings

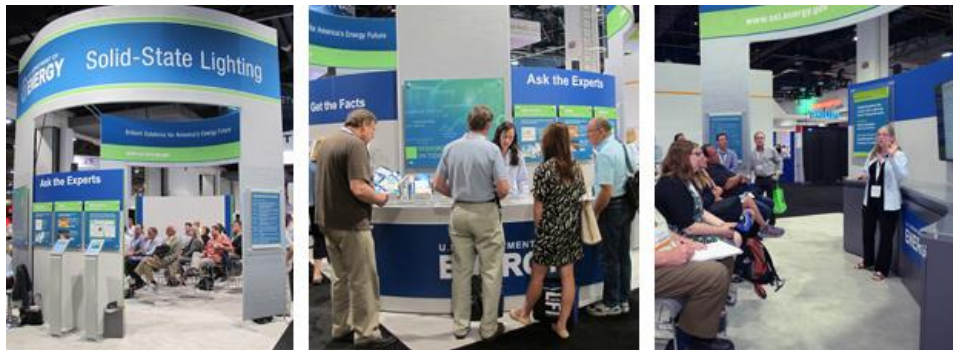
U.S. DEPARTMENT OF ENERGY

April 28, 2015

See You at LIGHTFAIR

Many of you will be attending LIGHTFAIR® International in New York next week. Once again, DOE's SSL team will have a sizeable presence at the show. In contrast to most of the other LIGHTFAIR exhibitors, who are there to sell products, DOE will be there strictly to provide unbiased, vendor-neutral information about solid-state lighting. Our booth (#1875) will be a "sales-pitch-free" oasis, where we'll have a team of lighting experts on hand all day long to answer your questions. These same experts will also be giving a series of free presentations on a wide range of SSL topics that are sure to be of interest.

Michael Royer of Pacific Northwest National Laboratory (PNNL) will give a presentation on LED color stability, covering the latest performance data as well as what's being done to address the issue. He'll also give a separate talk on new color-rendering metrics that are expected to reach the industry in the near future, explaining how and why they were developed, how to use them, and how they'll impact manufacturers, specifiers, and others.



Naomi Miller of PNNL will join forces with Marty Salzberg of Cline Bettridge Bernstein Lighting Design to share what you need to know about specifying color-tunable luminaires. She'll also give a separate talk with Brad Lehman of Northeastern University on the new recommended practice for limiting flicker in LED light sources, covering how and why it was developed, what it recommends, and how it might impact the lighting industry.

Andrea Wilkerson of PNNL will present a one-year update on a GATEWAY demonstration project involving LED area luminaires installed in the extreme

temperatures found on the U.S.-Mexico border near Yuma, AZ. Tess Perrin and Michael Poplawski of PNNL will give their view on intelligent and adaptive lighting systems of the future, focusing on how the museum community is hoping to leverage the potential for systems to adapt to dynamic changes in their environment by reducing exposure, enhance viewer experience while pursuing authentic representation, and reduce energy consumption and monitoring costs. Michael is also giving a separate talk on optimizing the energy performance of future lighting systems through the effective use of intelligent and controllable LED sources, sensors, and communication networks.

Bruce Kinzey of PNNL will take a look at LED street and area lighting installations, review how they've fared over time, and present current and coming trends. And Ruth Taylor of PNNL will announce the winners of the 2015 [Next Generation Luminaires™](#) design competition. You can find the schedule for these presentations [online](#).

In addition, DOE SSL team members will take part in a number of sessions on the LIGHTFAIR conference agenda. Michael Poplawski will co-present the one-day course "Outdoor Lighting Control System Fundamentals," which will cover the technologies and equipment currently available for deploying outdoor lighting control networks. He'll also take part in the panel discussion "Urban Lighting Installations: Human Scale to Big Data," which will explore the continuum from lighting experience to big data in and about future lighting networks. Ruth Taylor will take part in the workshop "Time and Money: Installation and Serviceability of LED Luminaires," which will outline how to evaluate the serviceability and accessibility of both indoor and outdoor LED luminaires, as well as how to spot possible installation issues. Naomi Miller will co-present the seminar "So Many LED Choices: Museum Lighting Challenges," which will explore the use of LED lighting in museum settings. Michael Royer will be part of the panel discussion "Quantifying Color Rendition: A Path Forward," which will describe the process and results of an Illuminating Engineering Society task group's work to develop a recommended color rendition metric. Bob Davis of PNNL will moderate the panel discussion "Light Source and Power Supply Update," which will examine the changing marketplace, new products, and trends. And Jack Curran of LED Transformations will give the workshop "LED 101 (and a Little More)," which will provide all the basic information necessary to understand and utilize LED lighting technology.

So if you're heading to LIGHTFAIR, check the [schedule](#) posted on the DOE SSL website, and be sure to stop by booth #1875. If you've got questions, we've got honest answers. DOE's goal is to educate people about solid-state lighting, pointing out its warts as well as its beauty marks, so that this promising technology can continue to develop and fulfill its energy-saving potential.

As always, if you have questions or comments, you can reach us at postings@akoyaonline.com.