

SSL Postings

U.S. DEPARTMENT OF ENERGY

May 4, 2017

If You're Going to LIGHTFAIR

Two major events take place every spring: the start of baseball season, and LIGHTFAIR® International. With regard to the former, DOE's status as an impartial government agency obliges us to remain strictly neutral (despite a rumored soft spot for the Orioles). But when it comes to LIGHTFAIR, we're all in, and our [Solid-State Lighting Program](#) maintains a significant presence there.



So if you're coming to LIGHTFAIR 2017, be sure to stop by our award-winning booth (#949). As always, our mission is to educate, so that attendees and exhibitors alike can benefit from our in-depth research and expert analysis. Drop by anytime during show hours to ask questions and engage in informal discussions with our knowledgeable staff about DOE [studies, resources, and tools](#). And check the [schedule](#) for our free educational sessions, which cover some of the knottiest issues in lighting.



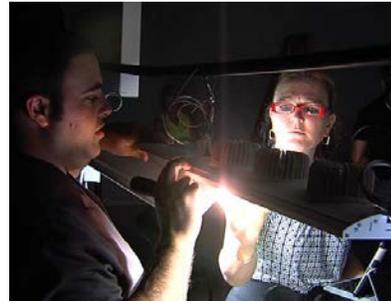
DOE's Connected Lighting Test Bed: Current Studies

Michael Poplawski from Pacific Northwest National Laboratory will share a snapshot of [current studies](#), including an analysis of the energy reporting capability of emerging PoE lighting systems, characterization of how connected lighting systems are facilitating interoperability through APIs, and a draft test

method for identifying cybersecurity vulnerabilities.

Next Generation Lighting Systems, Competition 1: What Will We Learn from Installation and Commissioning?

Ruth Taylor from PNNL will be joined by [NGLS](#) entrants and judges to preview phase 1 of the new competition, focused on connected lighting systems. Installation and evaluation will begin this summer at Parsons School of Design, The New School, in NYC.



There's Something About Red: Applying TM-30 in Your Practice

PNNL's Naomi Miller will don her dual hats (lighting designer and scientist) to offer her take on how to use the entire toolbox of color metrics (TM-30, SPDs, R_a , R_f , R_g) and the latest color preference research to deliver successful LED lighting solutions.

Many Shades of White: DOE SSL Explorations into Color Tuning

What have we learned from the installation and operation of [tunable lighting](#)? Andrea Wilkerson from PNNL will spotlight results and lessons learned from [CALiPER laboratory testing](#) and [GATEWAY studies](#) in classroom and healthcare applications.



A Case of the Blues: Get the Facts on LED Streetlights, Blue Light, Sky Glow, and More

Continuing news ripples about [LED street lighting and potential health effects](#) are often riddled with misperceptions and mischaracterizations of the facts as we know them. PNNL's Bruce Kinzey will help to set the record straight, providing accurate information to clarify the current state of understanding on these topics.

We'll also have lots of other experts in the booth throughout the show to dive into the details and answer all your questions – on the recently released [sky glow study](#) methodology and findings, [color rendition studies](#) that examine the relationship between TM-30 measures and human perception, the new [PoE connected lighting study](#), the latest [flicker metrics and guidance](#), and much more. We'll be offering live demonstrations of the new features of LED Lighting Facts, including the recently released [Product Snapshot Analytics](#)

and [Specification Tools](#), as well as the brand new LED Lighting Facts product submission updates that allow for automation of 90% of the listed data captured from standardized file formats.

As the "go-to" folks for the facts about LED lighting, we literally put it all at your fingertips – and at LIGHTFAIR it will all be concentrated in one action-packed booth, #949. So be sure to stop by if you're coming to Philly. I hope to see you there.

Best regards,
Jim Brodrick

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