



Seminar date: February 2, 2012 1:30p.m. - 3:00p.m. Eastern

FEMP FIRST THURSDAY
semin@rs

What you need to know...live, online,
and anytime.

NEW LIGHTING TECHNOLOGIES

See energy management in a new light!

Understand the uses and benefits of spectrally enhanced lighting (SEL) and exterior solid-state lighting (SSL). Learn the best deployment opportunities, correct applications, project examples, and measurement and verification protocols.

Learn how to:

- Select optimal lighting solutions based on quality baseline data and application-based alternatives
- Calculate life-cycle costs and determine design and installation feasibility options
- Measure lighting project savings and verify the benefits of your decisions
- Use DOE and industry resources to support specifications and facilitate your work



About the Experts:



Instructor: Jeff McCullough

Jeff McCullough is a senior research engineer at the DOE Pacific Northwest National Laboratory. His main area of focus is in commercializing energy-efficient technologies, particularly lighting and HVAC systems. Mr. McCullough led development of the first-ever ENERGY STAR® criteria for solid-state lighting and most recently completed the Lumen Maintenance Test Facility, which tests submissions for the L-Prize™ competition. Mr. McCullough holds degrees in mechanical engineering and business administration from Washington State University.



Instructor: Brian Liebel

Brian Liebel is a registered Professional Electrical Engineer in the State of California with more than 25 years of experience. His emphasis is in lighting design and energy efficiency, with expertise in lighting and vision-related research. Mr. Liebel received several national lighting design awards and chairs the Visual Effects of Lighting Spectral Distribution (VELSD) Committee of the Illuminating Engineering Society (IES). He holds a bachelor's of science degree in architectural engineering and a bachelor's of arts degree in environmental design from the University of Kansas.



FEMP Expert: Shawn Monique Herrera

Shawn Herrera manages FEMP's Technology Deployment Program. Her main area of focus is to accelerate acceptance and deployment of innovative products and technologies, including those created within the U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE), into the Federal sector, supporting the transition of clean energy efficient technologies from research and development (R&D) to successful commercialization. Ms. Herrera holds a bachelor's of science degree in electrical engineering from the University of Nevada Las Vegas.

FEMP First Thursday Seminars is a series of **FREE** training sessions on the first Thursday of each month from February through August 2012, available via satellite broadcast and streaming web video. For more information and to register, visit:

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