

Are you responsible for identifying and realizing building energy savings?
What about maintenance savings?
Looking for reduced HVAC costs?
Are you looking for an approach to achieving those operating cost savings that delivers the greatest value at the lowest cost?

Consider attending **“A Holistic Approach to Campus Lighting Upgrade Programs”** at this year’s [LIGHTFAIR International Conference in New York City, May 5-7](#). Blair Malcom from Penn State and Margo Pietras-Barnes from the University of Pennsylvania will share innovative approaches, best practices and successes associated with their large-scale campus lighting upgrade programs. The presentation will cover Material Procurement, Distribution Contracts, Lighting Solutions and implementing a Lighting Design Guide.

To learn more read the course description below and if you have any questions contact [Blair Malcom](#).

To register for LIGHTFAIR click [HERE](#).

Course Description:

A Holistic Approach to Campus Lighting Upgrade Programs

- [Margo Pietras-Barnes, University of Pennsylvania](#),
- [Michael Fuller, Keystone Lighting Solutions](#),
- [W. Blair Malcom, Pennsylvania State University](#)
- **Date:** Thursday, May 7
- **Time:** 10:30 AM - 12:00 PM

Course Description: With their common lighting consultant as moderator, speakers from the University of Pennsylvania and Penn State will discuss their energy master planning efforts, with lighting upgrades at the heart of each of the programs.

Several years ago, these two universities enacted plans to drastically reduce energy consumption through lighting upgrades. Speakers will discuss the following topics as related to this master planning effort: Lighting and Controls Standardization Processes; Metering, Benchmarking, Measurement and Verification Processes; Strategic Procurement; Project Delivery Methods; and Design/Build Strategies. Speakers will also discuss incentives obtained by local utility companies, challenges associated with designing and implementing lighting projects in active research and office buildings, and, most importantly, their results.

W. Blair Malcom, PE
Electrical Engineer
OPP Engineering Services
Pennsylvania State University

Co-presenting **“A Holistic Approach to Campus Lighting Upgrades”** at LIGHTFAIR 2015.
To learn more check out the LFI course link click [HERE](#) (search for “Campus”). To register click [HERE](#).