

Electric League  
of Western Pennsylvania

# INDUSTRY EXPO & CONFERENCE: MAY 14, 2019

## David L. Lawrence Convention Center Ballroom

## S.E.E. what's new!

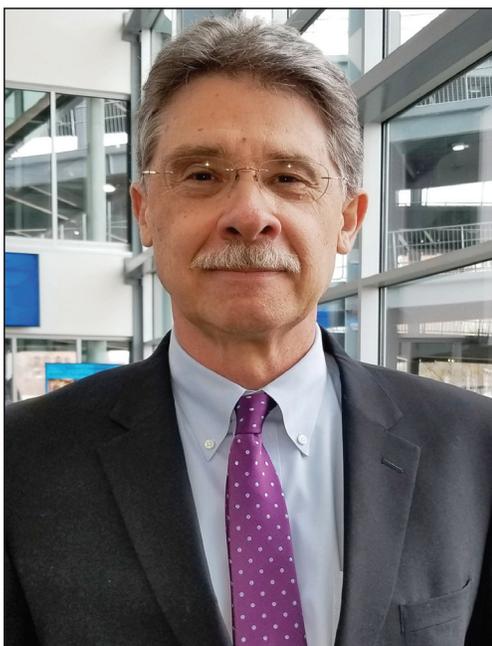
**S**ocialize.

**E**ducate.

**E**nergize.

### Western Pennsylvania's Premier Electrical and Lighting Trade Show!

Advance your career with educational programs and meet new contacts at our Networking Party. Admission to exhibition hall is FREE so bring a friend along. For more information visit: [www.ElectricLeague.com](http://www.ElectricLeague.com).



### KEYNOTE SPEAKER

## Jeff Burd

### Tall Timber Group

Jeff Burd is the owner of Tall Timber Group, a content provider & research firm focused on the commercial and residential construction industry and the publisher of *Breaking Ground* and *Developing Pittsburgh* magazines. Jeff Burd has been involved in the construction information business since 1981 and founded and operated the Pittsburgh Construction News from 1994 until it was acquired in 2005. Still active in the industry, Burd is a regular speaker on the regional and national construction economy and has focused his expertise on providing information in three areas: market research and consulting, regional housing data, and the publishing of *Breaking Ground* magazine. Tall Timber provides monthly housing start data, and quarterly market reports. Jeff was President and founder of the Pittsburgh Construction News from 1994 to 2005. He graduated from Grove City College in 1979.

# SPECIAL CEU SEMINAR: 2014 NEC & ANALYSIS OF CHANGES



## Instructor: David Platt

with:

**JOSEPH FELLO**, Eaton Corp. Engineer (Retired) / IAEI

**DAVID PLATT**, Middle Atlantic Inspections / IAEI

**RICHARD JANOSKI**, University of Pittsburgh / IAEI

**JACK LYONS**, National Electrical Manufacturers Association

The course is designed to cover major changes in the **2014 National Electrical Code** to obtain an understanding of the 2014 NEC changes that you can use to support and anticipate your customer needs.

First-time NEC articles such as Low Voltage Suspended Ceiling Power Distribution Systems, Modular Data Centers, Fire-Resistive Cable Systems and Energy Management Systems will be covered in this comprehensive seminar. Preview hundreds of revisions in the 2014 NEC that will have a direct impact on residential, commercial, and industrial installations. The **Analysis of Changes**, will also be covered, as Pennsylvania has jumped two code cycles from 2008 to 2014.

There were approximately 3,745 proposals and 1,625 public comments submitted for modifications to the 2014 edition of the NEC.

**8 credit hours issued and approved for the new City of Pittsburgh Requirement. Pennsylvania Department of Labor and Industry UCC Continuing Education.**



# IAEI

7:30 Check-In

8:00 am - 5:00 pm

Classroom #1

Box lunch provided

\$200 IAEI/Electric League Members

\$250 Non-Members

8 CEUs issued and approved for the new City of Pittsburgh Requirement for both courses.

## Bonus Course:

### Evaluating Water-Damaged Electrical Equipment

**JACK LYONS**, National Electrical Manufacturers Association

Electrical equipment exposed to water can be extremely hazardous if reenergized without performing a proper evaluation and taking necessary actions. Reductions in integrity of electrical equipment due to moisture can affect the ability of the equipment to perform its intended function. Damage to electrical equipment can also result from flood waters contaminated with chemicals, sewage, oil and other debris which will affect the integrity and performance of the equipment. Ocean water and salt spray can be particularly damaging due to the corrosive and conductive nature of the salt water residue.

For Show Pass & to Register for Classes, Seminar & Luncheon: [www.electricleague.com](http://www.electricleague.com)

# EDUCATIONAL CLASSES

- Class Pass: \$25 (all classes)
- Class Pass + Luncheon: \$60
- Luncheon only:  
\$40 member / \$50 nonmember

*Continuing education units provided as noted for each class.*

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## Managing Construction Risk In 2019

Instructor: Lisa Wampler, Esq.

Time: 10:30 am Classroom: #2

Approved for 1 PDH (professional development hour)

There are three easy ways to lose money on a construction project: failing to properly negotiate the contract; failing to document the project properly and/or timely; and failing to recover cost overruns. The one-hour session will identify those key provisions that can directly affect your profitability and how to help minimize their effect. Project documentation best practices that will give attendees a better command of how they can best protect their company with their day-to-day decision-making will also be covered.

## Wellness Done Well: Lighting Strategies for Healthier Indoor Environments

Instructor: Sandra Stashik

Time: 10:30 am Classroom #3

Approved for 1 CEU (continuing education unit)

Lighting is essential to healthy living. We will examine the connection between light and wellness, including an examination of the lighting prerequisites and imperatives of the WELL Building Standard and Living Building Challenge programs which encourage an Evidence-Based Design (EBD) philosophy focused on the people within buildings to improve health and wellbeing.

## Cyber Security in the Workplace

Instructor: Michael Comber, Esq.

Time: 1:30 pm Classroom: #3

Approved for 1 PDH (professional development hour)

The damage caused by a hack, spoof, intrusion, phishing, DDoS, or other attack paralyzes the operations, and ultimately survival, of a company. Our clients, insurers, and partners no longer accept "there was nothing we could do about it" as an excuse. Every company, in every industry, of every size must be prepared. Join us for a common sense discussion about the threats and responses necessary to survive, adapt and thrive in today, and tomorrow's, work environment.

## Introduction to Medium Voltage Systems

Instructor: Steve Kisak

Time: 1:30 pm Classroom: #2

Approved for 1 PDH (professional development hour)

This class will cover basic components of medium voltage cable systems, NEC requirements, and general design and installation considerations for medium voltage distribution systems and equipment.

## Transfer Switch Considerations, Codes and Design Considerations

Instructor: Westmore Brown

Time 1:30 Classroom #4

Approved for 1 PDH (professional development hour)

We will cover these points what a transfer switch is; the different transfer operations; why a transfer switch is essential to any facility that requires emergency power; how a transfer switch works; and important codes and design considerations.

## Tunable White Lighting Exists: Now What?

Instructor: Sandra Stashik

Time: 2:45 pm Classroom: #2

Approved for 1 CEU (continuing education unit)

Solid state lighting and controls are changing the way we view and experience light in a space. Lighting is not longer a static experience where selecting light source correlated color temperature and color rendering index is sufficient. Explore the possibilities that exist now and will exist in the near future, with dynamic lighting in commercial buildings

## Medium Voltage Switchgear I

Instructor: Joe Richard

Time: 2:45 pm Classroom: #2

Approved for 1 PDH (professional development hour)

The learning objective of this presentation is to describe shielded solid insulation; list the differences between current and new switchgear designs; list the benefits of the new generation of medium voltage switchgear and how it addresses current market needs; and describe how to design with new switchgear technology, with application considerations.

## Relay Protection-Arc Flash Mitigation with Relays

Instructor: Daniel Freeman

Time: 4:00 pm Classroom: #2

Approved for 1 PDH (professional development hour)

This class will focus on arc flash reduction methods spelled out in NEC 240.87. It will cover how to implement certain methods such as transformer differential for the most effective arc flash incident energy reduction with special emphasis on optical arc flash systems.

## Fire Alarm Requirements per Occupancy Classification: 2015 International Building Code

Instructor: Maria Marks

Time: 4:00 pm Classroom: #3

Approved for 1 PDH (professional development hour)

The presentation will be on fire alarm system requirements for each of the various occupancy classifications in the IBC. We will look at the 2015 IBC/IFC and identify the key differences for fire alarm systems between the 2009 IBC and the 2015 IBC and application of referenced standards; describe the intent behind the changes presented and the significance of the changes on building design; and apply the code requirements for design and review. Identify changes in organization and format.