

# HARDHATS ARE JUST THE BEGINNING.

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## SAFETY PROFESSIONALS CONFERENCE 2018



MAY 21-23, 2018  
LOUISVILLE, KY

presented by  **WESTEX**  
*by Milliken*

[www.necasafetyconference.com](http://www.necasafetyconference.com)



## Monday, May 21

8:00–12:00	<b>Pre-Conference:</b> First Aid Course	<i>pre-registration required</i>
1:00–2:45	Opening General Session	
	Welcome and Opening Remarks	Wesley Wheeler
	Welcome to Louisville	
	Remarks from NECA Vice President	Wes Anderson
	Remarks from NECA Vice President and COO	Daniel Walter
	<b>Keynote: Safety as a Core Value</b>	<b>Mark Breslin</b>
	Exhibitor Introduction and Housekeeping	Wesley Wheeler
2:45–3:00	Break	
3:00–4:30	Breakout Session I	
4:45–7:00	Opening Reception and Trade Show	

## Tuesday, May 22

7:00–8:00	Breakfast	
8:00–9:30	Breakout Session II	
9:30–9:45	Break	
9:45–11:15	Breakout Session III	
11:15–1:00	Lunch and Trade Show	
1:00–2:45	General Session	
	Remarks from NECA President	David Long
	NECA Safety Activities Update	Michael Johnston
	NECA Recognition of Achievement in Safety Excellence and Zero Injuries	Michael Johnston
	<b>NFPA 70E Roundtable Discussion</b>	<b>70E Committee Members, NECA, electrical training ALLIANCE, IBEW, Schneider Electric</b>
2:45–3:00	Break	
3:00–4:30	Breakout Session IV	
4:30–6:30	Closing Reception and Trade Show	

## Wednesday, May 23

7:00–8:00	Breakfast	
8:00–9:30	Breakout Session V	
9:30–10:00	Break	
10:00–11:45	Closing General Session	
	Remarks	Wesley Wheeler
	Special Award Presentation	Michael Johnston
	<b>Keynote: Believe in Safety</b>	<b>Brandon Schroeder</b>
	Closing Remarks	Wesley Wheeler

**General Sessions take place in Commonwealth 1  
Breakfast/lunch and the Trade Show are in Commonwealth 4**

## Educational Tracks

Conference breakout sessions are organized along five tracks: NFPA 70E Electrical Safety, Inside Electrical Construction, Outside Electrical Construction, Safety Management Risk and Safety Management Regulations. Session tracks and topics are listed in the table below. These tracks make it easy to follow a selected topic throughout the conference. But you don't need to stick to one track during the conference—feel free to mix and match your courses to customize your learning experience!

Track	NECA Safety Solutions	Inside Electrical Construction	Outside Electrical Construction	Safety Management: Risk	Safety Management: Regulation
<i>Classroom</i>	<i>Commonwealth 3</i>	<i>Commonwealth 6</i>	<i>Clifton</i>	<i>Commonwealth 7</i>	<i>Commonwealth 8</i>
Monday BREAKOUT SESSION I 3:00–4:30	NECA Guide to Accident Investigations	The Last Line of Defense Can Help Promote an Improved Safety Culture	2018 ET&D Quarterly Refreshers and Continuing Education	Employee Safety & Employee Wellness – The Corner of Success & Happiness	The Administrations Agenda on Safety – How Does It Impact Your Company?
Tuesday BREAKOUT SESSION II 8:00–9:30	Safety Meeting APP, Tool Box Talks and Checklists	Arc Flash Lessons from Testing and Accident Investigations	Serious Injuries and Fatalities	Risky Business Behaviors Can Cost Serious \$\$\$	Impact of NIOSH Construction Program 2007-2017
Tuesday BREAKOUT SESSION III 9:45–11:15	<i>NECA Guide to Policies and Best Practices</i> and <i>NECA Guide to Job Briefings</i>	Understanding Respiratory Protection Requirements Related to Silica	How to Manage a Rubber Goods Program and 70E	Jobsite Safety and Ergonomics: Understanding Risk and Regulations with Power Tools	Fall Protection Programs – How does EM 385 interface with OSHA?
Tuesday BREAKOUT SESSION IV 3:00–4:30	NECA Guide to Respirable Crystalline Silica	Understanding Safety with Meters and Electrical Test Equipment	Fall Protection Requirements for the Utility Industry	Investigation of a Claim, A Legal Perspective	NFPA 70E: Legal and Financial Implications for Non-Compliance, and How to Evaluate Protection Options
Wednesday BREAKOUT SESSION V 8:00–9:30	NECA Guide to Significant Changes to the 2018 NFPA 70E	Sourcing Products with an Eye on Safety	The Cost and Causes of Ergonomics Injuries	The Missing Link in Risk Assessment	OSHA's New Recordkeeping Law and How to Simplify Compliance
<i>Classroom</i>	<i>Commonwealth 3</i>	<i>Commonwealth 6</i>	<i>Clifton</i>	<i>Commonwealth 7</i>	<i>Commonwealth 8</i>

**Pre-Conference First Aid takes place in Cherokee Triangle (must be registered to attend)**

## NECA Safety Systems

### NECA Guide to Accident Investigations

This course examines the procedures for properly investigating and documenting an incident/accident to determine the root cause. Techniques to research and determine what actions should be implemented following any incident/accident to ensure compliance with regulations and requirements and prevent similar occurrences in the future will also be discussed. *Instructor: Joe O'Connor, Intec*

### Safety Meeting APP, Tool Box Talks and Checklists

This presentation will review the NECA Safety Meeting App and the updates that have been made to improve and enhance this product for our members including new forms, checklists and job briefings. *Instructor: Dave Carl, Safety Meeting App*

### NECA Guide to Policies and Best Practices, NECA Guide to Job Briefings

This program provides information on developing and implementing company policies related to NFPA 70E, including policies on training/retraining, Justified Energized Work, voltage testing and Personal Protective Equipment. The course also demonstrates how a company can implement best practices that may go beyond simply complying with the minimum safety requirements found in regulations and discusses the proper ways to conduct job briefings with employees, provides methods for developing Job Risk Assessments, (JRAs) and/or a Job Hazard Analysis (JHA) to be used for documenting this required information. *Instructor: Joe O'Connor, Intec*

### NECA's Guide to Respirable Crystalline Silica

NECA has developed a guide to assist employers, competent persons and employees with understanding the exposures and control methods approved for compliance with OSHA's Final Rule on Crystalline Respirable Silica. This presentation discusses the material, the exposure routes and Personal Protective Equipment used by employees. *Instructor: Joe O'Connor, Intec*

### NECA's Significant Changes to the 2018 NFPA 70E

NECA has partnered with the *electrical training ALLIANCE* and representatives from the IBEW to develop a presentation and guide to the major changes in the 2018 edition of NFPA 70E, *Electrical Safety in the Workplace*. By attending and participating in this presentation, attendees will gain knowledge of the terms and updated requirements in this latest revised edition. *Instructors: Jim Dollard, IBEW #98, Palmer Hickman, electrical training ALLIANCE*

## Inside Electrical Construction

### The Last Line of Defense Can Help Promote an Improved Safety Culture

When choosing an arc rated/flame resistant clothing program, employers are faced with deciding on a program that will help foster a better culture of safety that will protect their workplace in the long run. Is a task based or daily wear PPE program or combination of both the best fit? What are the pros and cons of both types of programs? Attendees will learn about root-cause PPE program cultural issues, causes and consequences of real arc flash incidents, and some key NFPA 70E PPE changes for 2018. *Instructor: Scott Francis, Westex by Milliken*

### Arc Flash Lessons from Testing and Accident Investigations

This presentation reviews the processes by which arc rated garments are tested and labeled for use in the electrical industry and provides an understanding of Energy Break Through (EBT) and Arc-Performance Thermal Value (APTV). Steps to accident investigation related to electrical arc flash events will be discussed. *Instructor: Hugh Hoagland, E-Hazard*

### Understanding Respiratory Protection Programs Related to Silica

Do you know the proper procedures for donning and doffing a respirator? Do your employees? This session reviews the proper use and care of respirators and discusses the procedures for medical evaluation and medical surveillance as required in OSHA standards and when using this type of personal protective equipment for personnel. This session also discusses in detail the construction version of the new silica regulation and how OSHA has said they will interpret parts of that regulation. *Instructor: Beth Browning, 3M*

### Understanding Safety with Meters and Electrical Test Equipment

This session covers potential hazards when using meters and electrical testers, understanding CAT ratings, safety certifications and testing, how safety is designed into meters and electrical testers, and the safe use of meters and electrical testers. *Instructor: Bill Forsyth, Southwire*

### Sourcing Products with an Eye on Safety

This program looks at how safety can be negatively impacted because of where electrical products are obtained. Counterfeit products—an issue within our industry—as well as other areas of concerns that may jeopardize the importance of the chain of ownership which present hidden risks to safety will be discussed. Attendees will understand the differences between counterfeit products, re-manufactured products and reused products. This session speaks to common mistakes made when sourcing products as well as steps that can be taken to avoid these pitfalls. *Instructor: Tom Domitrovich, Eaton*

## Outside Electrical Construction

### 2018 ETD Quarterly Refreshers and Continuing Education

The ET&D Partnership has developed and updated the best practices for the line construction and maintenance requirements for members found in the industry standards. Rubber goods, flame resistant clothing and equipotential grounding are some of the topics to be discussed during this session. *Instructor: James McGowan, Quanta Services Inc.*

### SIFs - Serious Injuries and Fatalities

Injury and illness rates have steadily declined in a number of industries, including construction and the electric utility industry. Despite this reduction, the rate of Serious Injuries and Fatalities (SIFs) has fluctuated. There has been little to no success in applying the same safety strategies to SIFs that decrease less severe injuries, and individual company efforts to analyze SIF patterns and develop preventive measures is next to impossible due to the infrequency of these events. To address this issue, safety professionals have started to look at SIF events across industries and expanded their review from actual SIFs (A-SIF) to events with potential for causing a SIF (P-SIF). In addition, organizations such as the Construction Industry Institute (CII) and the Edison Electric Institute (EEI) have engaged in focused studies of member A-SIF and P-SIF events in an effort to customize protocols for their respective industries. This session provides a history of the paradigm shift in the safety industry to SIF analysis, describes the methodologies for defining SIF events and shares lessons learned from early studies on SIFs. Recent studies by CII and EEI will be discussed. *Instructor: Joe O'Connor, Intec*

### How to Manage a Rubber Goods Program and 70E

The American Society for Testing and Materials (ASTM), establishes the standards to how products are manufactured and how they should be used and maintained in the work place. These standards are reinforced by OSHA 1926.960 to keep workers safe. Rubber gloves are the first line of defense when working electrical safety. Learn what to look for when inspecting rubber gloves, how to extend the life of the product and implement compliance practices to keep your workers safe. Grounding care and maintenance is a critical safety compliance. *Instructor: Cindy Meister, Salisbury by Honeywell*

### Fall Protection Requirements for the Utility Industry

This presentation covers fall protection requirements and procedures on wood poles, transmission structures, ladders and substations and reviews the requirements found in ANSI and ASTM standards as well as applicable requirements found in the OSHA regulations. *Instructor: Tom Savola, Buckingham*

### The Cost and Causes of Ergonomics Injuries

This presentation covers the root causes of musculoskeletal disorders, the costs of such injuries, and job task factors that exacerbate the risk of such injuries occurring with a focus on the impact of ergonomics in the development and prevention of those injuries. Following that, the presentation covers various solutions to poor ergonomic conditions as well as methods of developing and maintaining a safety culture that is conscious of ergonomic risk factors. *Instructor: Jacob Thomas, Greenlee*

## Safety Management: Risk

### Employee Safety and Employee Wellness— The Corner of Success and Happiness

Employers today are committed to providing their employees with a safe working environment, not only because the law requires it or it's right for the business, but also because it's the right thing to do for their employees. But did you know that an employee's emotional, social, and financial well-being can have an impact on your company's safety initiatives as well? This session focuses on this important intersection between employee wellness and employee safety to explore the impact these have on your company's ability to attract and retain key talent and its overall success. *Instructor: Keith Wheeler, HR Resources of the Carolinas*

### **Risky Business Behaviors Can Cost Serious \$\$\$**

Do you know which risky behaviors your employees are engaging in daily? Most human behavior becomes so engrained that many employees and employers don't see it as risky but rather as just part of their job. This session looks at case studies of how daily on-the-job risks can and should be avoided and how these behaviors are impacting your company's bottom line through real and hidden costs. Learn how to be a pro-active company leader and enhance your safety culture in the process. *Instructor: Laramie Sandquist, Federated Insurance*

### **Jobsite Safety and Ergonomics: Understanding Risk and Regulations with Power Tools**

This presentation reviews the new OSHA regulations on respirable crystalline silica standard for construction and showcases solutions that are OSHA compliant. The session looks at tool and jobsite safety through improved tool design with ergonomics in mind and showcases tools to reduce injury risk and improve safety. A head-to-head tool showcase will demonstrate Milwaukee's latest investment in technologies in scientific measurement with respect to posture analysis and force to quantify the levels of ergonomic risks. The session concludes with a demonstration of technology that can monitor and record tools across the globe. *Instructor: Raffi Elchemsmas, Milwaukee*

### **Investigation of a Claim, A Legal Perspective**

Contractors and insurance carriers are faced with many challenges when it comes to managing workers comp and liability claims. What is the best course of action for a contractor to follow? *Instructor: Veronica Fleury, MGC*

### **The Missing Link in Risk Assessment**

Most safety professionals agree that utilization of risk assessment tools is extremely helpful for prioritization of time, efforts, and safety resources. There is also strong agreement such assessments, which focus on severity and probability which are charted along two corresponding axis, tend to be fairly straightforward. *Instructor: Danny Smith, SafeStart*

## **Safety Management: Regulations**

### **The Administration Agenda on Safety – How does it Impact your Company?**

There's a new sheriff in town, and OSHA/MSHA will never be the same! This presentation will review legislative and regulatory activities affecting occupational safety and health under the new administration. Topics covered will include: regulatory reform legislation, changes to recordkeeping and reporting requirements, enforcement of OSHA's silica rule as it affects electrical contractors, modifications to the regulatory agenda and National Emphasis Programs, newly increased civil penalties, and proactive initiatives that will impact alliances, partnerships, and outreach. *Instructor: Adele Abrams, Esq., CMSP*

### **Impact of NIOSH Construction Program 2007-2017**

An update on new and ongoing research in construction safety and health will be provided. Topics will include construction issues appearing in NIOSH's Fatality Assessment and Control Evaluation (FACE) Program; construction safety climate and safety culture; the Construction Falls Prevention Campaign and the Safety Stand-Down; and research topics for construction that will likely be addressed in the next decade of the National Occupation Research Agenda. *Instructor: Christine Branche, NIOSH*

### **Fall Protection Programs – How does EM 385 interface with OSHA?**

With updated OSHA General Industry Fall Protection Requirements, other standards and regulations are also a part of a proper fall protection program. The Army Corp of Engineers has specific requirements for fall protection in their EM 385 Regulation. How does EM385 compare to OSHA? What does it take to be a "Competent Person" related to fall protection? *Instructor: Honeywell*

### **NFPA 70E: Legal and Financial Implications for Non-Compliance and How to Evaluate Protection Options**

This first part of this session presents the history and relationship between NFPA and OSHA and breaks down the estimated cost of an Arc Flash incident, including both direct and indirect costs. OSHA investigations, citations, and recent government initiatives to discourage non-compliance, and a review of the Memorandum of Understanding between OSHA and the Department of Justice are discussed. The second part of the session focuses on compliance vs protection. *Instructors: Scott Margolin, Tynedale and William Watson, Miller Electric Company*

### **OSHA's New Recordkeeping Law and How to Simplify Compliance**

In a recent OSHA final rule, it was announced that non-exempt employers will be required to electronically submit to OSHA the injury and illness data that they're already required to keep internally. The frequency of this submission depends on the size of the business, but is required at least annually. *Instructor: Phil Mole, Velocity EHS*

## Keynote Speakers

Monday: **Mark Breslin**, *Safety as a Core Value*



Mark Breslin is an author, speaker, CEO and influencer at the highest levels of business in North America. He has spent decades advising CEOs and senior leaders in business, government, labor and nonprofit arenas in both the U.S. and Canada. As a top rated public speaker and strategist, he has spoken live to more than 300,000 people. His five bestselling books have sold hundreds of thousands of copies and have improved leadership, accountability, profitability, innovation and engagement for organizations and individuals.

Mark will examine the critical roles of culture, buy-in and accountability that have taken safety from a resented afterthought to a primary core value system for top organizations. The presentation identified specific strategies to reinforce a culture over compliance, engage and collaborate across lines and out of silos, and finally encourage constructive and transparent accountability—including peer to peer on the job efforts. The four-letter word for safety is not “rule”, it is not “fear.” It is “CARE”. The evolution of culture is significantly being impacted as well by demographic changes, workplace expectations and giving people a lot more than a paycheck to bring their best.

Wednesday: **Brandon Schroeder**, *Believe in Safety*



After surviving an arc flash accident, which landed him in the hospital and required an extensive recovery process, Brandon Schroeder keenly felt the value in sharing his story. Not only was it a poignant narrative, but it also drove home the fact that an arc flash accident impacts more than just you personally. Drawing from more than 15 years in the field and highlighting the role of safety with his own experience, Brandon now shares his stories with electricians, and safety managers and engineers to help shape the industry’s approach to electrical safety. He connects with them on a deeper level, because he is one of them—someone who had to make continuous decisions each day in order to return home to his family. In sharing his story and what he learned, he hopes to foster a movement to believe in safety

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## General Session Speakers



**Wes Anderson** is President/CEO of Anderson Electric. His career started at age 10, working in the warehouse sorting material during summers. At 15, he was referred out on Book 4 and worked as an electrician for several summers before finishing high school. After graduation, he served four years active service in the U.S. Navy and then enrolled in Danville Area Community College, and started his electrical apprenticeship. In 1981, he became a journeyman wireman, advancing to foreman and general foreman before moving from field to office as superintendent.

He became branch manager of the Danville Office in 1992, taking the titles of President in 2006 and CEO in 2008. Anderson’s involvement with NECA began in 1988, as chairman of the JATC. Within a few years, he represented the Danville Division of the Illinois Chapter on all local committees and joined its board of directors. Currently Wes is the NECA District 4 Vice President and serves as the NECA Safety Task Force Chair.



**David Long** is currently serving as NECA’s President. He has been in the electrical construction industry since 1975, when he began work as a construction wireman for Miller Electric. After graduating from the Jacksonville JATC in 1981, he began his career as a journeyman wireman. This led to foreman and supervisory positions. In 1991, he moved into management as an estimator and assistant project manager. He rose through the ranks at the company and was named president of Miller Electric in 2012. Long earned a bachelor’s degree in business

management from Southeastern University and currently holds over 35 state electrical licenses for Miller. His primary emphasis is vertical markets, corporate client development, labor relations and company expansion. Long was Governor of NECA’s North Florida Chapter and, on the national level, served as District 3 Vice President. He has chaired the Workforce Development and Compensation committees and co-chaired several organizations including the *electrical training ALLIANCE*, Council on Industrial Relations, National Labor Task Force, and the National LMCC Committee.



**Michael Johnston** is NECA's executive director of standards and safety. Mike holds a BS in Business Management from the University of Phoenix. Mike is a member of the NFPA Standards Council and current Chair of the NFPA *NEC* Correlating Committee. In addition to his responsibilities for managing the codes, standards, and safety functions for NECA, Mike is secretary of the NECA Codes and Standards Committee. Mike's career includes working as a journeyman electrician, foreman, and project manager on residential, commercial, and industrial projects. Johnston career includes work in electrical inspections and supervision of electrical inspectors for over 10 years at the City of Phoenix. Mike served on multiple NEC Code-making panels since the 1999 development cycle through to present. Johnston is a member of the IBEW and is an active member of ANSI, IAEI, NFPA, SES, ASSE, the UL Electrical Council, the National Safety Council and he is currently Chair of the NFPA Electrical Section.



**Dan Walter** is the Vice President and Chief Operating Officer for the National Electrical Contractors Association (NECA). As a member of the NECA Executive Committee, his responsibilities include financial planning, program execution and management of the association. Walter supervises programs that generate non-dues revenue. Areas under his direct supervision include Electrical Contractor magazine, the NECA Convention and Trade Show, Standards and Safety, Government Affairs, NECAPAC, Education, Business Development, Marketing, and Communications.



**Wesley L. Wheeler** is NECA's director of safety. An IBEW member since 1984, Wheeler has more than 38 years of electrical experience and has focused on safety for the last 20 years as an OSHA instructor and safety director for a large industrial-based electrical contractor in Florida. He has taught OSHA instructor classes for the NJATC and has participated in safety training at the annual NTI. He also has assisted the NJATC in textbook development, having contributed to OSHA workbooks. Wheeler has served in many capacities in his career, including electrician, foreman, superintendent, estimator, project manager and safety director. He was a Florida State Certified Electrical Contractor, Safety Trainer and Consultant and has also served on the NECA Codes and Standards committee for the last 10 years representing NECA on NEC-NFPA 70 Code Panels and also serves on the NFPA 70E committee. Wheeler is a trained First Aid/BLS instructor, a Department of Labor Mine Safety Health Administration Instructor, and has had OSHA General Industry Outreach Trainer credentials from University of South Florida.