



900 S. Highway Drive • Suite 203 • Fenton, MO 63026

Return Service Requested.

PRSRT STD  
U.S. POSTAGE

**PAID**  
ST. LOUIS, MO  
PERMIT NO 1285



SPONSORED BY



## SHOW HOURS

**Wednesday, March 11**    **Thursday, March 12**  
1:00 p.m. – 7:00 p.m.    9:00 a.m. – 5:00 p.m.

### STAY UPDATED ON THE EXPO WITH OUR MOBILE APP!

SEARCH FOR ATTENDIFY IN THE APP STORE  
THEN EBMI EXPO 2020



## Free Admission to Expo Free Parking Educational Seminars

(Fee required to attend seminars.)

Expo is **ONLY** held every 3 years –  
don't miss this opportunity to...

- View over 200+ booths of electrical products/services
- See new products
- PDH/LUs offered for all seminars
- Jefferson County (JC) and City of St. Louis only accept the code-related seminars and are marked clearly with JC's or City by those accepted.
- IAEE – Eastern Missouri Code Conference — fulfills CITY of St. Louis Licensing Requirements for 2020. Need 8 hours for license renewals EACH year.
- Visit with manufacturers' representatives — over 3,000 attend this all-industry, two-day event

**SEMINAR 1** Room ABC  
7:30 – 9:30 a.m.  
LU/PDH: 2.0  
JC AND CITY: 2 Code

### THE DO'S AND DON'TS OF SPECIFYING LIGHTNING PROTECTION SYSTEMS

Speakers: Mark Harger – Harger Lightning and Grounding, and Ray Stripling – nVent

The presentation will start with a brief description of lightning and lightning protection systems. Risk assessment methods, along with outlining the main parts of a lightning protection system will be discussed. Proper inspection and maintenance of lightning protection systems will be covered, and recommendations will be given regarding specifying lightning protection systems.

Participants will learn:

- Which Lightning Protection Standard(s) should be used for determining the basis for design.
- How to conduct a Lightning Risk Assessment for a structure.
- Differences between a master certification and a limited scope inspection certificate.
- Importance of periodic inspection of maintenance for lightning protection systems.
- Best methods for specifying lightning protection systems.

Target Audience: Electrical and specifying engineers, electrical contractors, building owners, architects, general contractors

**SEMINAR 2** Room D  
8:00 – 9:30 a.m.  
LU/PDH: 1.5

### THE FUTURE OF BUILDING AUTOMATION SYSTEMS

Speakers: Kyle Knudten – McClure Engineering  
Clay Wiedner – Ross & Baruzzini

Upcoming trends in building automated systems will include proliferation of IP-connected devices that interact with building users and other building platforms to improve user experiences and decrease energy consumption. Building electrical appliances are poised to take a prominent role in this evolution.

Participants will learn:

- What building systems are now or will be connected in the near future.
- How connectivity between building systems occurs.
- Smart building technologies to enhance occupant experience.
- Smart building technologies to optimize building performance.
- Cybersecurity considerations in this dynamic landscape.

Target Audience: Design engineers, facility engineering, maintenance, contractors, electricians

**SEMINAR 3** Room ABC  
10:00 – 11:30 a.m.  
LU/PDH: 1.5  
JC AND CITY: 1.5 Code

### CRITICAL POWER SYSTEMS

Speaker: Dan Neeser – Eaton's Bussmann Division

This course will discuss the key requirements for critical systems, such as emergency, legally required standby and critical operation power systems per the 2020 NEC. Topics and associated requirements covered will include: definitions and objectives, testing and maintenance, capacity, transfer equipment, circuit wiring and equipment, sources of power and overcurrent protection considerations.

Participants will learn:

- Comparison of requirements for Critical Power Systems per Article 700, 701 and 708
- Testing and Maintenance Requirements
- Sources of Power and System Separation
- ATS SCCR Marking Requirements and Compliance
- Selective Coordination Requirements and Compliance

Target Audience: Consulting engineers (electrical), design-build contractors, engineers, project managers for electrical contractors, electrical inspectors

**SEMINAR 4** Room D  
10:00 - 11:30 am  
LU/PDH 1.5

### ELECTRIC UTILITY INDUSTRY TRENDS

Speakers: Kevin Anders and Matt Forck – Ameren

**Modernization of the Electric Grid** – Provide examples of the aging infrastructure on the Ameren Missouri grid, and the investments being made as part of the Smart Energy Program to modernize the grid.

**Efficient Electrification** – Discuss the opportunities and trends moving our economy toward decarbonization. Electric vehicles and charging infrastructure, electrified public transportation, and electrification of industrial processes and agriculture. Describe how these trends affect our plans for the grid.

**Increased Use of Renewables as Source of Energy for the Grid** – Describe industry trends and projects Ameren has planned to transition to increased use of renewables in its generating portfolio.

Target Audience: Building owners, facility managers, engineers and utility customers

**SEMINAR 5** Room ABC  
12:00 p.m. – 2:00 p.m.  
LU/PDH: 2  
JC AND CITY: 2 Code

### GROUNDING OF ELECTRICAL SYSTEMS

Speaker: Keith Cooper – McClure Engineering Associates

National Electrical Code, Article 250 – Grounding and Bonding continues to be cited as the most confusing or difficult to understand article in the Code. We will review the purposes for and the basic tenets of grounding and bonding. Then we will examine various topics that have raised the most questions and confusion in the twenty years that Keith has been teaching Grounding.

Here's what participants will learn:

- Understand why electrical systems are grounded
- Understand how electrical systems are grounded at the service entrance and at the separately derived system.
- Understand how equipment is grounded (or bonded)
- Examine questions that arise for:
  - Grounding electrodes and grounding electrode conductors
  - Separately derived systems - transformers and generators
  - Multiple building grounding
  - Swimming pools
  - Ground fault circuit interrupters and equipment ground fault protection
  - Healthcare installations
  - Other miscellaneous installations
- Review 2020 NEC changes to Article 250.

Target Audience: Contractors, plant maintenance, electricians, design engineers and inspectors

**SEMINAR 6** Room D  
12:00 p.m. – 1:00 p.m.  
LU/PDH: 1  
CITY: 1 Code

### GENERAL ELECTRICAL REQUIREMENTS FOR ELEVATORS

Speaker: Dave Hardin – K.H. Lemp Elevator Consultant, Inc.

The presentation will discuss a variety of electrical issues and code requirements that are commonly missed in design or misunderstood by contractors. Issues such as mainline disconnect location requirements, other requirements for mainline and 120V car lighting disconnects, lighting and illumination requirements for elevator machine rooms, hoistways and pits, service and specialty receptacles required for machine rooms. Additionally, the presentation will touch on requirements that have been added with the introduction of machine room-less elevators, as well as emergency power requirements for elevators.

The participants will learn:

- Illumination/lighting requirements for elevator machine rooms, control rooms, pits and hoistways.
- Requirements for service receptacles in elevator machine rooms, control rooms, pits and hoistways, as well as requirements for receptacles used for sump pumps in elevator pits.
- Signaling requirements to elevator controls for emergency/standby power.
- Requirements for elevator mainline disconnect panels and for 120V car lighting disconnect panels.
- Changes in the elevator industry with a focus towards machine room-less elevators and how this has affected associated electrical work.

Target Audience: Electrical contractors and electrical design engineers

March 11th ONLY

SEE SPEAKER BIOS ON MOBILE APP

# ASK THE ELECTRICAL INSPECTORS

Table near Booth 604

St. Louis County (1 – 3 pm)  
City of St. Louis (4:30 – 6 pm)

Bring your CODE questions to us.

SEMINAR

7

Room D  
1:30 p.m. – 2:30 p.m.  
LU/PDH: 1

## FIRE ALARM INDUSTRY UPDATE

Speaker: Michael White – Siemens Smart Infrastructure

Fire alarm codes, technology, and design applications continue to undergo change which can present both challenges and opportunities for the design and construction team. Additionally, AHJs may be reluctant to adopt new technology and interoperability without a thorough understanding of the value and relevance within modern codes and standards. This presentation will cover some more common fire alarm and life-safety system challenges faced by the design and construction team in today's market. Examples typically include areas of integration between fire alarm and other building systems such as elevator, sprinkler, HVAC, and fireman's smoke control stations (FSCS). We will also provide updates and overviews regarding voice intelligibility, stairway pressurization strategies, and modern alarm communication technologies from protected premises to supervising central stations. Finally, emerging fire alarm and life-safety technologies within the converged infrastructure of a smart building will be presented.

Target Audience: Electrical contractors (operations, engineering, preconstruction, and senior management), electrical engineers, authorities having jurisdiction, facilities operators, facilities engineers, facilities life-safety personnel

## Directions to St. Charles Convention Center

**Going west into St. Charles** Take I-70 to Convention Center Blvd., Exit 229A.. At stop light, make a left turn and go over I-70. After the next stoplight, head into the roundabout left lane and go half way around roundabout to the road alongside the St. Charles Convention Center. **FREE** parking is in the back of the convention center.

**Going east into St. Charles** Take I-70 to Convention Center Blvd., exit, 229A. At stop light, make a right turn and head into the roundabout, using left lane, and go half way around roundabout to the road alongside the St. Charles Convention Center. **FREE** parking is in back of the convention center.

**Hotel Information** Go to our website to see a list of hotels around the St. Charles Convention Center. Be sure to mention the Electrical Board and Electrical Expo when making reservations before February 7th.

SEMINAR

8

Room ABC  
3:00 p.m. – 4:30 p.m.  
LU/PDH: 1.5

## SMART METERS: THE BENEFITS, THE OPTIONS, THE TRANSFORMATION

Speakers: Dave Kuhlmann – Ameren Illinois  
Jon Shockley – Ameren Missouri

Smart meters transformed the way Ameren Illinois conducts business. The information technology support systems integration for greater energy efficiency that benefit the energy company and their customers.

Advanced Metering Infrastructure (AMI) is a two-way communications system that use smart meters at residential, commercial and industry premises to communicate energy consumption data on low-level radio frequency (RF) transmission signals. Ameren Illinois has upgraded over 1.2 million electric meters and over 800,000 smart natural gas modules. Ameren Missouri has begun their five year deployment plan which includes upgrading 1.2 million electric meters and 130,000 smart natural gas modules. Together, both companies are making it easier for their customers to better manage and control energy costs.

This presentation is designed to provide a practical overview of smart meters. An in-depth introduction to smart meter technologies will be provided to give the necessary background to attendees. We will discuss business transformation and organizational change management as well as a few lessons learned and what's in our future.

Participants will learn:

- Difference between AMR and AMI technology
- Functionality of smart meter technology
- Customer benefits associated with smart meters
- Operational benefits associated with smart meters
- Future Impacts of a smarter grid on energy efficiency

Target Audience: Building owners, facility managers, engineers and utility customers

SEMINAR

9

Room D  
3:00 - 4:30 pm  
LU/PDH: 1.5  
JC AND CITY: 1.5

## CODE ISSUES

Speakers: Henry C. L. Anderson – St. Louis County  
Jared Agee – St. Charles County  
Rick Heyman – City of St. Louis

This will be a rapid fire question and answer period with moderator and the electrical inspectors on issues that they have been addressing lately. The Electrical inspectors will address individual questions from 4:30 to 6:00 pm in the front of the Exhibit Hall.

- Electrical Ordinances
- Listings of products to be installed and what we are seeing from industry.
- Renewable energy and our requirements
- Water damaged equipment and our requirements
- Lighting
- Arc-Fault and receptacle replacement
- Available fault current labeling
- Height of overhead service conductors
- Working clearances
- Event generators
- Automatic switches & electrical equipment
- Fire Alarm (City requirements)
- International Energy Efficiency Code 2018

Target Audience: Electrical contractors, engineers and electrical technicians

## PDH & LU CREDITS

These seminars have been designed to qualify for Professional Development Hours (PDH) for Professional Engineers and Learning Units (LU) for Architects.

## JC (Jefferson County) and CITY (City of St. Louis) CREDITS

Several of these seminars have been designed to qualify for professional Education Units for Jefferson County and City of St. Louis. Both will only accept code-related seminars for learning hours. City of St. Louis now requires 8 hours EACH YEAR.

## REGISTER ONLINE!

**BEFORE FEBRUARY 21 AND ATTEND THE EXPO ... MAKES YOU ELIGIBLE FOR DRAWING OF 44 - \$50 GIFT CARDS.**

(Winners will be notified after the Expo.)



## CONTEST!

Register online to select the distributor who helped you learn about the Expo. **MUST be completed prior to February 21st.**

## Distributor Partners

- Butler Supply
- Cape Electrical Supply
- Centrex Electrical Supply Corp.
- Fletcher-Reinhardt Company
- French Gerleman
- Frost Supply
- Graybar Electric Company
- Holt Electrical Supplies
- Metro Electric Supply
- Rexel
- Springfield Electric Supply Co.

[www.electricalboard.org](http://www.electricalboard.org)

**SEMINAR CODE**

Room ABC (*Nearly 450 attend this conference.*)  
 7:20 a.m. – IAEI Eastern Missouri Chapter Meeting  
 7:30 – 11:30 a.m. **1ST SESSION**  
 LUNCH AND VIEW EXPO EXHIBITS  
 2:00 – 6:00 p.m. **2ND SESSION** LU/PDH: 8  
 Jefferson County/City of St. Louis: 8 Code related

**Please note that you must pay the Code Conference fee, which is SEPARATE from a one- or two-day pass. These passes DO NOT INCLUDE this Code Conference!!!**

**You MUST attend BOTH SESSIONS (all 8 hours) to receive a certificate.** Certificates will be mailed about 6 weeks after the seminar to all those attending the full 8 hours. YOU must make sure that your badge is scanned before the seminar, after each break or whenever scans are required. Certificates will not be given unless your badge is scanned each time, showing you attended the full 8 hours.

## NATIONAL ELECTRICAL CODE CONFERENCE ANALYSIS OF THE 2020 CODE CHANGES

Speaker: Keith Lofland - IAEI

Q & A Panel to be invited: Rick Hill – St. Louis County Inspection  
 Jared Agee – St. Charles County Inspection, and Rick Heyman – St. Louis City Inspection

The International Association of Electrical Inspectors-Eastern Missouri Chapter Conference will include a narrated presentation of the 2020 National Electrical Code changes. This presentation will provide illustrations and explanations of changes in the National Electrical Code.

**This Code Conference will fulfill the 8 hour-code City of St. Louis' license requirement for continuing education provided THE LICENSEE attends the full eight hours of the Conference. You MUST attend BOTH sessions AND make sure your badge is scanned each time!**

The fee for the Code Conference is \$240 with registrations made before 2-12-20 and \$300 for registrations made after the 2-12-20 deadline. This fee includes LUNCH and the book "Analysis of Changes, 2020 NEC" which each registrant will receive and can be picked up the morning of the conference. This analysis book covers almost 400 changes made in the 2020 NEC. A PHOTO ID IS REQUIRED TO RECEIVE THE ANALYSIS BOOK AT INSPECTORS TABLE.

Here's what the participants will learn:

- Help you develop a better understanding of changes in the National Electrical Code
- Broaden your knowledge of the N.E.C.
- Allow you to communicate with local authorities more effectively

Target Audience: Contractors, electricians and engineers

**SEMINAR 10** Room D  
 8:00 a.m. – 10:00 a.m.  
 LU/PDH: 2.0

## MEDIUM VOLTAGE SYSTEM DESIGN

Speakers: Andy Sugg – Ameren  
 Jim Reinhardt – Fletcher-Reinhardt Company

Andy will discuss medium voltage service, in regard to an overhead primary meter service and the configurations in the Ameren's CE-10 document and the requirements. He will also address metering requirements (hot/cold) on medium voltage, grade mounted circuit breaker and fused switchgear.

Jim will discuss the components, i.e. gang operated switches, overcurrent protection devices (fuses, reclosers, circuit breakers), vaults/pads, grounding studs, lightning arresters, terminators and elbows.

Target Audience: Utility personnel, engineers, contractors and facility managers

**SEMINAR 11** Room 101  
 8:00 am – 9:30 am **Limited to 60 attendees**  
 LU/PDH: 1.5

## THE EVOLUTION OF ACCESS CONTROL

Speaker: David McGhee – Ross & Baruzzini

Access Control has traditionally been slow to evolve, relying instead on long-established technologies. However, rapidly advancing technologies and end-user needs are challenging this concept and pushing the industry in new directions. We will review the current state of the market as well as discuss future trends. The session will discuss evolving connectivity options, changes in card readers including biometrics, and the changing nature of access media.

Topics to be explored will be:

- Current Trends in the Industry – Overview of the current state of the marketplace offerings for access control manufacturers.
- Improved security for card and card reader communications
- Evolution of field equipment and the integration into door hardware
- Changes in communication of access control equipment
- Continued evolution of biometrics and the future of credentials

Target Audience: Design professionals, engineers, facility managers, building owners, electrical contractors

**SEMINAR 12** Room D  
 11:30 am – 1:00 pm  
 LU/PDH: 1.5

## MOTOR STARTING AND CONTROL TECHNOLOGY

Speaker: Charles Hummer – French Gerleman

Understanding the different options for motor starting and control are key to providing an effective solution for your company and/or customer. From basic non-reversing starters to highly configurable variable frequency drives, there is a proper application for each technology. Explanation of the technologies, comparison between the technologies and proper applications for each technology will be discussed in this presentation.

Participants will:

- Understand different motor starting technologies and how they affect/control the motor
- Learn the motor applications best suited for each motor starting technology
- Become familiar with the various methods of starting, stopping and speed control of motor starting starting.
- Become familiar with standard interactions with PLC/DCS/BAC systems and the motor starting units.
- Realize the cost savings for your company and/or your customer by applying the correct starting technology to motors

Target Audience: Contractors, plant maintenance, electricians, and design engineers

**SEMINAR 13** Room D  
 1:30 p.m. – 3:00 p.m.  
 LU/PDH: 1.5

## LIGHTING CONTROLS – SYSTEMS – APPLICATIONS

Speaker: Steve Dietiker – McClure Engineering

Lighting Systems continue to advance, and lighting controls are constantly evolving. Staying abreast of the advancements in lighting technology is one challenge but keeping up with lighting controls and energy codes is an effort unlike ever before. Unfortunately, the typical applications that you know best, simply don't meet the current code requirements. We will review terminology, applications, and troubleshooting for systems most commonly applied today.

Participants will learn:

- Understanding of key terms and most popular control protocols
- Analog, Digital, and Wireless applications
- LED Drivers and coordination with controls
- Control relative to Emergency Lighting (UL924 vs UL1008 devices)
- Troubleshooting
- Startup vs Programming vs Commissioning

Target Audience: Design engineers, electrical designers, facilities engineering, maintenance, contractors, electricians

**NO PHONE REGISTRATIONS ACCEPTED**

# EXPO PRE-REGISTRATION FORM

SAVE \$60 BY REGISTERING FOR SEMINARS BEFORE FEB 12! ALL EXPO PRE-REGISTRATION ENDS ON FEB 21!

**Please read ALL information regarding Expo registration on reverse side FIRST to answer many of your questions!**

**FASTEST way to register:** Online at [www.electricalboard.org](http://www.electricalboard.org) – You must pay for seminars by Visa, Mastercard or American Express online! If paying by check, please see options below. **No cost for registering for Expo only!** Any questions regarding registration, please call EBMI at 636-305-6434.

**OR mail registrations to:** EBMI • 900 S. Highway Dr. • Ste. 203, Fenton, MO 63026

Must have a completed registration form for **EACH** attendee. Payment MUST be received with registrations or call in with your credit card information. If sending registration form in with your check, made payable to EBMI, please forward to address above. **After February 21st, do NOT mail or email any correspondence to EBMI as it will NOT be processed.** You must register at the Expo after this date.

- 1 **Attending Expo ONLY** – You must complete sections A, B & D below. (Expo attendance is FREE and the badge allows admittance into Expo)
- 2 **Attending Expo AND Seminars** – You must complete sections A, B, C & D **and** check seminars attending. Then mail this form with your payment or call EBMI, 636-305-6434 with credit card payment. (Badge allows attendance into Expo. A ticket will be required for access into any of the seminars.)

**PART A** Please **TYPE OR PRINT CLEARLY** all information. Badge (for Expo) and/or seminar tickets will be mailed to address listed below (home or work as specified by you below. ONE-TWO weeks prior to Expo. **NO cost to attend the Expo only.**

Name \_\_\_\_\_ Title: \_\_\_\_\_  
 Company \_\_\_\_\_ Mail Code/Unit: \_\_\_\_\_  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone ( \_\_\_\_\_ ) \_\_\_\_\_ e-mail \_\_\_\_\_

EBMI can use e-mail to contact me regarding educational opportunities and future Expos. Email is needed for confirmation Expo info.

**PART B** MUST CHECK **ONE** IN SECTIONS 1 AND 2 BELOW! THESE MUST BE INCLUDED TO RECEIVE A BADGE IN ADVANCE!

1  **only ONE in YOUR JOB CATEGORY**

- |  |  |
|--|--|
| <input type="checkbox"/> 01 Architect        | <input type="checkbox"/> 08 Maint/Technician |
| <input type="checkbox"/> 02 Cust. Serv./Adm. | <input type="checkbox"/> 09 Management       |
| <input type="checkbox"/> 03 Designer/CADD    | <input type="checkbox"/> 10 Project Manager  |
| <input type="checkbox"/> 04 Electrician      | <input type="checkbox"/> 11 Purchasing       |
| <input type="checkbox"/> 05 Engineer         | <input type="checkbox"/> 12 Sales            |
| <input type="checkbox"/> 06 Estimator        | <input type="checkbox"/> 13 Student          |
| <input type="checkbox"/> 07 Inspector        | <input type="checkbox"/> 14 Other: _____     |

AND 2  **only ONE describing your COMPANY SEGMENT**

- |   |   |
|---|---|
| <input type="checkbox"/> A Architect            | <input type="checkbox"/> H Government               |
| <input type="checkbox"/> B Commercial Buildings | <input type="checkbox"/> I Health Care              |
| <input type="checkbox"/> C Contractor           | <input type="checkbox"/> J HVAC Contractor          |
| <input type="checkbox"/> D Consulting Engineer  | <input type="checkbox"/> K Industrial/Manufacturing |
| <input type="checkbox"/> E Datacom              | <input type="checkbox"/> L Utility                  |
| <input type="checkbox"/> F Distributor          | <input type="checkbox"/> M Other: _____             |
| <input type="checkbox"/> G Education            |   |

**PART C** REMINDER – PRE-REGISTRATION ENDS 2/21/20!!!

**PART D** DISTRIBUTOR PARTNERS

SEMINAR	TIMES	BEFORE 2/12/20	AFTER 2/12/20
<input type="checkbox"/> SNEC IAEI Code Conference Must attend both sessions – all 8 hours!	7:30 a.m. – 11:30 a.m. 2:00 p.m. – 6:00 p.m. Thursday, March 12	\$240	\$300 \$ _____

Please select **ONE** distributor below that informed you about this EXPO (through email, counter, sales personnel, etc.)

- |  |  |
|--|--|
| <input type="checkbox"/> Butler Supply                   | <input type="checkbox"/> Graybar Electric Company        |
| <input type="checkbox"/> Cape Electrical Supply          | <input type="checkbox"/> Holt Electrical Supplies        |
| <input type="checkbox"/> Centrex Electrical Supply Corp. | <input type="checkbox"/> Metro Electric Supply           |
| <input type="checkbox"/> Fletcher-Reinhardt Company      | <input type="checkbox"/> Rexel                           |
| <input type="checkbox"/> French Gerleman                 | <input type="checkbox"/> Springfield Electric Supply Co. |
| <input type="checkbox"/> Frost Supply                    | <input type="checkbox"/> Other: _____                    |

**\*BEST VALUE (Per Person Rates)**

**TWO-DAY PASS** – 3/11 & 3/12 Sem. #1-13 only! \$150 \$210 \$ \_\_\_\_\_

**Code Conference is NOT included!**

Please  the seminars below that you plan to attend.

**ONE-DAY PASS** – 3/11: Sem. #1-9 OR 3/12: Sem. #10-13

MUST CHECK DATE BELOW!\* **Code is NOT included!** \$100 \$160 \$ \_\_\_\_\_

Please  the seminars below that you plan to attend.

**PLEASE CHECK CHOICE OF PAYMENT:**

<input type="checkbox"/> Check	<b>TOTAL DUE</b>
For credit card payment, please CALL	
EBMI office: 636-305-6434	
<input type="checkbox"/> Credit Card	\$ _____
M/C, AmEx or Visa	

\* If selecting one- or two-day passes, please  the seminars below that you plan to attend. This helps us in providing the correct number of handouts, if needed. ENGINEERS/CONTRACTORS/ARCHITECTS: It's your responsibility to pick up your PDH//LU/Code Hours from volunteers near exits AFTER each seminar!! PDH/Code Hour letters will NOT be mailed. ONLY Code class certificates will be mailed 4-6 weeks after seminar.

<input type="checkbox"/> Wednesday – March 11				<input type="checkbox"/> Thursday – March 12			
<input type="checkbox"/> S1 Sem. 1	The Do's and Don'ts of Specifying Lightning Protection Systems	7:30 – 9:30 am		<input type="checkbox"/> S10 Sem. 10	Medium Voltage System Design	8:00 – 10:00 am	
<input type="checkbox"/> S2 Sem. 2	The Future of Building Automation Systems	8:00 – 9:30 am		<input type="checkbox"/> S11 Sem. 11	The Evolution of Access Control	8:00 – 9:30 am	
<input type="checkbox"/> S3 Sem. 3	Critical Power Systems	10:00 – 11:30 am		<input type="checkbox"/> S12 Sem. 12	Motor Starting and Control Technology	11:30 am – 1:00 pm	
<input type="checkbox"/> S4 Sem. 4	Electric Utility Industry Trends	10:00 – 11:30 am		<input type="checkbox"/> S13 Sem. 13	Lighting Controls – Systems – Applications	1:30 – 3:00 pm	
<input type="checkbox"/> S5 Sem. 5	Grounding of Electrical Systems	12:00 – 2:00 pm					
<input type="checkbox"/> S6 Sem. 6	General Electrical Requirements for Elevators	12:00 – 1:00 pm					
<input type="checkbox"/> S7 Sem. 7	Fire Alarm Industry Update	1:30 – 2:30 pm					
<input type="checkbox"/> S8 Sem. 8	Smart Meters	3:00 – 4:30 pm					
<input type="checkbox"/> S9 Sem. 9	Code Issues	3:00 – 4:30 pm					

Full description of each seminar available at [www.electricalboard.org](http://www.electricalboard.org)

# ATTENTION: REGISTRATION OPTIONS BELOW

## Advanced Rates – ALL seminar registrations MUST BE POSTMARKED BY February 21st!

ALL PRE-REGISTRATION ENDS ON FEBRUARY 21ST! After this date, you MUST register at Expo. EBMI will NOT accept pre-registrations after this date! (EBMI is at the Convention Center the week of the Expo and will not receive mail or email during this time.)

### 1 FASTEST: Pre-register **ON-LINE** (for Expo and/or seminars)

Go to: [www.electricalboard.org](http://www.electricalboard.org), UNDER Electrical Expo 2020, click on Expo registration to register for Expo and seminars.

NOTE: On-line seminar fees MUST BE PAID by Mastercard, American Express or Visa.

### 2 Pre-register for **EXPO ONLY** by mail:

Complete Part A, B & D on registration form and mail to EBMI Office before February 21st.

EBMI • 900 S. Highway Drive, Ste. 203 • Fenton, MO 63026

### 3 Pre-register for **SEMINARS and EXPO BY MAIL:**

Complete Parts A, B, C & D on registration form, along with checking off seminars you plan to attend.

Mail with check to: EBMI • 900 S. Highway Drive, Ste. 203 • Fenton, MO 63026

**before February 12th to receive advanced rates.** Pre-registration ends February 21st.

Make checks payable to EBMI or The Electrical Board of Missouri and Illinois.

We also accept Mastercard, American Express or Visa by phone, after seminar registration is sent to the EBMI office • 636-305-6434

## Frequently Asked Questions to help guide you through pre-registration

- 1) **Can we complete registrations over the phone?** *No registrations will be taken over the phone!* You must go online or complete registration form and mail it to EBMI office (address shown above) prior to February 21st.
- 2) **Do I need a separate form for each individual?** Yes, we must have the registration completed for each individual so all information for badges are correct for those attendees. However, feel free to make copies of this form when needed. Please make sure to complete all areas of the form as we need this for badges. Reminder: **check job category & company segment** as this is REQUIRED for badges. NOTE: Badges are used for entrance into show at no cost. For seminars, badges AND ticket are required and will be SCANNED to allow entrance into seminar. Seminar costs must be paid in advance of the seminars.
- 3) **Can I make ONE check for multiple registrations?** Yes, but please include each completed registration form with this one check. Please make checks payable to EBMI and mail to address in box 3 above.
- 4) **Can I email registration form and then pay by credit card?** Yes, we will accept seminar registration forms by email ([annie@electricalboard.org](mailto:annie@electricalboard.org)), but we ask that you call us with your credit card information once it is emailed to our office and to confirm its receipt in office. **The deadline for registration by email is February 21st.**
- 5) **Is this registration form the same as the “Expo ticket” I received from area distributor?** Yes. If you ONLY plan to attend the Expo, you can complete a ticket OR Parts A, B & D of registration form — they are both the same.
- 6) **If I am attending seminars, along with attending Expo, what is needed?** **Part A, B, C & D AND you need to check off the seminars you tentatively plan to attend at the bottom.** This helps us in preparing handouts and ensuring enough seats for the seminar, as well as PDH, Jefferson County, and City of St. Louis licensee requirement letters.
- 7) **When will we receive the badge and/or tickets?** Badge and/or seminar ticket (showing one day, two-day pass, Code with your name on it) will be mailed to address YOU list on registration form ONE week prior to the Expo. Please list any necessary mail codes for companies or your home address if you prefer this to ensure delivery. For code conference attendees, certificates will be mailed to the address listed on this form, and mailed about six weeks after the conference.
- 8) **If attending the Code Conference, what information is needed?** Register early as we normally have over 450 attend this seminar. Code Conference is a separate fee and is **NOT** included in 1-day or 2-day pass fees. You must attend BOTH sessions and have your badge scanned EACH time there is a break. In addition, you may need to sign in at various times at the seminar to receive a certificate. NO certificates are given at the Seminar and will be mailed to address YOU list on registration form about six weeks after the Conference. If you don't receive a certificate by **end of April**, please call EBMI office. BUT REMEMBER... you must attend ALL eight hours and we verify this with all of our scans!!
- 9) **When are pdh (engineers)/lu (architects)/Jefferson County and City of St. Louis (contractors) letters given out at the Expo?** We will have volunteers in back of room who will hand these out **AFTER** each seminar. **You must stay for the entire seminar to receive this information. We can only issue them at each seminar (not later via phone), so it's YOUR responsibility to make sure you receive these after EACH seminar! They will not be mailed later.**
- 10) **Who do I call with any additional questions?** EBMI Office: 636-305-6434! Or email [annie@electricalboard.org](mailto:annie@electricalboard.org) or [bill@electricalboard.org](mailto:bill@electricalboard.org) with questions. WE WILL NOT BE IN OFFICE WEEK OF MARCH 10TH, so you will not get a reply.