Faculty and Credit Information

Building Operations and Efficiency

Mohamed El-Sayed, PE, CEM, CEA, CDSM, CxA, LEED AP BD+C is an associate principal at Kohrs Lonnemann Heil Engineers, PSC, and he serves as the director of KLH Energy Solutions. These services support KLH Engineers' clients and national account customers by ensuring optimal energy efficiency in new construction projects, renovations and existing buildings alike. He has managed projects that resulted in Ohio and Indiana's first LEED Platinum commercial buildings and Ohio's first LEED Platinum school. He earned a master's degree in Environmental Health and Safety from the University of Cincinnati and an undergraduate degree in Mechanical Engineering from the Zagazig University.

International Mechanical Code

Mary Conger, *Conger Construction Services, LLC*

Mary Conger has been in the plumbing field since 1996 and has been a plumbing educator since 2010, beginning as a plumbing instructor for an apprentice program with TSTC/Waco and becoming a continuing professional education instructor. Ms. Conger has owned her own plumbing business, has served as a plumbing/mechanical inspector for the City of Dallas, and has become a plumbing/mechanical plans examiner. Her education also has prepared her for this role with her bachelor's degree in Technology and Performance Improvement and her master's degree in Engineering Technologies with a concentration in plumbing. Ms. Conger is now working towards her doctorate in Educational Leadership.

NFPA 70E

Charles R. Miller, *Master Electrician, business owner, author, educator in Lebanon, TN*

Mr. Miller spent 18 years as a successful business owner and electrical contractor. Since then, he has focused his time and energy on writing and teaching to promote knowledge and proficiency among engineers, electricians, and tradespeople in the field. Throughout his career, he has passed more than 45 master electrical exams (with a score of 93 or higher) and seven electrical inspector exams. As an author and illustrator, he has an extensive list of electrical-related publications to his credit, including some published by the National Fire Protection Association (NFPA). Mr. Miller also sits on two NFPA committees, including the committee for the NFPA 70E standard. In 1988 he began to focus and dedicate himself to electrical-related training. Besides teaching his own custom-tailored classes and seminars covering various aspects of the electrical industry, Mr. Miller partners with some of the top electrical training organizations in the country. His list of achievements includes teaching with the National Fire Protection Association (NFPA).

National Electrical Code: A Solar Photovoltaic System Perspective

John-Ross Cromer is an Ivy League mechanical engineer, master electrician, NABCEP-certified PV installer, and author of *Solar Power Design and Development: An Introduction to Rooftop Solar*. He brings ten years of solar project experience including residential, commercial, and small utility-scale projects to his work, including an off-grid residential-sized home.

Erosion and Sediment Control

Corey D. Babb, MPA, CMS4S, *Georgia Power Company, Atlanta*

Mr. Babb has 20 years of professional and educational experience in the environmental planning, management, and regulatory professions. He has coordinated work for multiple local governments and agencies. He has a successful track record of regulatory negotiation and innovative approaches to stormwater management and regulatory compliance. Mr. Babb has obtained Georgia's Level 1A, 1B, II and trainer certifications for erosion and sedimentation control. He earned his B.S. degree in Biology from Berry College and his M.P.A. degree in Natural Resource Management/Water Policy from Georgia State University. He serves as the construction stormwater subject matter expert for the Georgia Power Company where he is responsible for permitting and oversight compliance of all existing and new generation, transmission, distribution and renewables projects statewide.

February Webinar Series:
- Building Operations and Efficiency
- International Mechanical Code
- NFPA 70E
- National Electrical Code: A Solar PV System Perspective
- Erosion and Sediment Control

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February Webinar Series

Building Operations and Efficiency
- Thursday, February 1, and Friday, February 2

International Mechanical Code
- Thursday, February 15, and Friday, February 16

NFPA 70E
- Thursday, February 8, and Friday, February 9

National Electrical Code: A Solar Photovoltaic System Perspective
- Wednesday, February 21, and Thursday, February 22

Erosion and Sediment Control
- Wednesday, February 22, and Thursday, February 23

February Webinar Series

Building Operations and Efficiency
Architects: 6.5 HSW CE Hours AIA: 6.5 HSW LUs Engineers: 6.5 PDHs

International Mechanical Code
Architects: 7.0 HSW CE Hours AIA: 7.0 HSW LUs
Engineers: 7.0 PDHs ICC: .7 CEUs (Building)

NFPA 70E
Architects: 8.0 HSW CE Hours AIA: 8.0 HSW LUs
Engineers: 8.0 PDHs ICC: .8 CEUs (Electrical)

National Electrical Code: A Solar Photovoltaic System Perspective
Architects: 6.0 HSW Contact Hours AIA: 6.0 HSW LUs
Engineers: 6.0 PDHs ICC: .6 CEUs (Electrical)

Erosion and Sediment Control
Architects: 5.5 HSW Contact Hours AIA: 5.5 HSW LUs
Engineers: 5.5 PDHs Floodplain Managers: 5.5 ASFPM CECs

Each webinar in these series earns continuing education credit. The credit hours shown above are for all webinars in each series. See inside for credits available for individual webinars.

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CONTINUING EDUCATION AIA

Building Operations and Efficiency

Series Tuition: ~~$325~~ **$275** when you register for all four webinars
Total Credits: **Architects**: 6.5 HSW CE Hours **AIA**: 6.5 HSW LUs **Engineers**: 6.5 PDHs

Identifying Energy Efficiency Opportunities in Major Renovations
Thursday, February 1, 2018, 11:00 AM - 12:30 PM CST **Tuition**: $75
Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Integration of "Energy Modeling" in the Design of High Performance Buildings
Thursday, February 1, 2018, 1:00 - 2:30 PM CST **Tuition**: $75
Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

High Efficiency Building Design Standards
Friday, February 2, 2018, 11:00 AM - 12:30 PM CST **Tuition**: $75
Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Commissioning and Operation of High Performance Buildings
Friday, February 2, 2018, 1:00 - 3:00 PM CST **Tuition**: $100
Credits: Architects: 2.0 HSW CE Hours AIA: 2.0 HSW LUs Engineers: 2.0 PDHs

International Mechanical Code

Series Tuition: ~~$350~~ **$300** when you register for all four webinars
Total Credits: **Architects**: 7.0 HSW CE Hours **AIA**: 7.0 HSW LUs
Engineers: 7.0 PDHs **ICC:** .7 CEUs (Building)

International Mechanical Code Background and Application
Thursday, February 15, 2018, 11:00 AM - 12:30 PM CST **Tuition**: $75
Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs
Engineers: 1.5 PDHs ICC: .15 CEUs (Building)

Chapters 2-5: Definitions, Regulations and Ventilation
Thursday, February 15, 2018, 1:00 - 3:00 PM CST **Tuition**: $100
Credits: Architects: 2.0 HSW CE Hours AIA: 2.0 HSW LUs
Engineers: 2.0 PDHs ICC: .2 CEUs (Building)

Chapters 6-10: Ventilation, Appliances and Equipment
Friday, February 16, 2018, 11:00 AM - 1:00 PM CST **Tuition**: $100
Credits: Architects: 2.0 HSW CE Hours AIA: 2.0 HSW LUs
Engineers: 2.0 PDHs ICC: .2 CEUs (Building)

Chapters 11-15: Refrigeration, Piping and Appendices
Friday, February 16, 2018, 1:30 - 3:00 PM CST **Tuition**: $75
Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs
Engineers: 1.5 PDHs ICC: .15 CEUs (Building)

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NFPA 70E

Series Tuition: ~~$400~~ **$350** when you register for all four webinars
Total Credits: **Architects**: 8.0 HSW CE Hours **AIA**: 8.0 HSW LUs
Engineers: 8.0 PDHs **ICC:** .8 CEUs (Electrical)

NFPA 70E, Part I
Thursday, February 8, 2018, 11:00 AM - 3:30 PM CST (incl. 30 min. break) **Tuition**: $200
Credits: Architects: 4.0 HSW CE Hours AIA: 4.0 HSW LUs
Engineers: 4.0 PDHs ICC: .4 CEUs (Electrical)

NFPA 70E, Part II
Friday, February 9, 2018, 11:00 AM - 3:30 PM CST (incl. 30 min. break) **Tuition**: $200
Credits: Architects: 4.0 HSW CE Hours AIA: 4.0 HSW LUs
Engineers: 4.0 PDHs ICC: .4 CEUs (Electrical)

National Electrical Code: A Solar Photovoltaic System Perspective

Series Tuition: ~~$300~~ **$250** when you register for both webinars
Total Credits: **Architects**: 6.0 HSW Contact Hours **AIA**: 6.0 HSW LUs
Engineers: 6.0 PDHs **ICC:** .6 CEUs (Electrical)

National Electrical Code for Building Professionals, Part I
Wednesday, February 21, 2018, 11:00 AM - 2:15 PM CST (incl. 15 min. break) **Tuition**: $150
Credits: Architects: 3.0 HSW CE Hours AIA: 3.0 HSW LUs
Engineers: 3.0 PDHs ICC: .3 CEUs (Electrical)

National Electrical Code for Building Professionals, Part II
Thursday, February 22, 2018, 11:00 AM - 2:15 PM CST (incl. 15 min. break) **Tuition**: $150
Credits: Architects: 3.0 HSW CE Hours AIA: 3.0 HSW LUs
Engineers: 3.0 PDHs ICC: .3 CEUs (Electrical)

Continuing Education Credit Information

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Erosion and Sediment Control

Series Tuition: ~~$275~~ **$225** when you register for all four webinars
Total Credits: **Architects**: 5.5 HSW Contact Hours **AIA**: 5.5 HSW LUs
Engineers: 5.5 PDHs **Floodplain Managers:** 5.5 ASFPM CECs

Erosion and Sediment Overview
Thursday, February 22, 2018, 11:00 AM - 12:00 PM CST **Tuition**: $50
Credits: Architects: 1.0 HSW CE Hour AIA: 1.0 HSW LU
Engineers: 1.0 PDH Floodplain Managers: 1.0 ASFPM CEC

Stormwater Permit Requirements and Procedures
Thursday, February 22, 2018, 12:30 - 2:00 PM CST **Tuition**: $75
Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs
Engineers: 1.5 PDHs Floodplain Managers: 1.5 ASFPM CECs

Stream Stabilization Measures
Friday, February 23, 2018, 11:00 AM - 12:00 PM CST **Tuition**: $50
Credits: Architects: 1.0 HSW CE Hour AIA: 1.0 HSW LU
Engineers: 1.0 PDH Floodplain Managers: 1.0 ASFPM CEC

Best Management Practices and Maintenance
Friday, February 23, 2018, 12:30 - 2:30 PM CST **Tuition**: $100
Credits: Architects: 2.0 HSW CE Hours AIA: 2.0 HSW LUs
Engineers: 2.0 PDHs Floodplain Managers: 2.0 ASFPM CECs

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Certificates of completion will be provided for each webinar attended and will be sent via email in PDF form about five business days after the conclusion of the series.

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Mac OSX 10.9 (Mavericks) - 10.11 (El Capitan)

Web Browser:
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Internet connection: Minimum of 1Mbps **Hardware:** 2GB RAM or more

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