

Faculty

National Electrical Code: Onsite Power Generation and Distribution

John-Ross Cromer is a master electrician with a Mechanical Engineering degree from the University of Pennsylvania, a NABCEP-certified PV installer and author of *Solar Power Design and Development: An Introduction to Rooftop Solar*.

OSHA Construction Safety

Michael "Craig" Gipe is the owner of SafetyCraig Consulting, an organization focused on providing high quality occupational health and safety management services for industrial and construction organizations and businesses. He attended the University of Kentucky and Murray State University (MSU) and graduated from MSU with a BS degree in Occupational Safety and Health in 1996. He is one of only a few consultants in the state who hold the CSP certification.

Basics of Fluid Mechanics

Gregory H. Nail, PhD, PE is an associate professor in the Engineering Department at the University of Tennessee at Martin where he teaches a variety of courses including fluid mechanics, hydraulics and hydrology, and hydraulic and hydrologic modeling. He holds a professional engineer's license based on having passed both the Civil and Mechanical discipline specific exams. Prior to coming to UT-Martin in 2002 he worked as a research hydraulic engineer for the United States Army Corp of Engineers for 11 years. He is a former member of the Executive Committee of the Tennessee American Water Resources Association, and he has lectured on various HEC-RAS modeling topics at the Annual Tennessee Water Resources Symposium, and at other venues. Dr. Nail earned his B.M.E. degree from Auburn University and his M.S. and Ph.D. degrees from Texas A&M University.

NFPA 70E

Charles R. Miller is a master electrician, business owner, author and educator in Lebanon, Tennessee. 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 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. His list of achievements includes teaching with the National Fire Protection Association (NFPA).

Shallow Foundations

Ibraheem Shunnar is the director of engineering at The Mannik & Smith Group and has more than 20 years of experience in geotechnical engineering with expertise in specialty foundations, ground improvement, slope stability, instrumentation and waste management. He has a Master's degree in Geotechnical Engineering from the University of Michigan and is a registered professional engineer. He is the author of many articles and papers on geotechnical engineering. Mr. Shunnar was the project manager for the Fairlane Green redevelopment project, winner of the 2008 National Phoenix Award. He is also the recipient of the distinguished achievement award from the University of Michigan.

Foundation Damage and Repair

Daniel P. Messmer, P.E., D. GE is a project manager with The Gateway Engineers, Inc., in Pittsburgh and has over 30 years of engineering experience in analysis, design, plan/specification development, and project management/personnel supervision for geotechnical, foundation and structural engineering projects in the transportation, industrial, municipal and commercial fields of civil engineering. Throughout his career he has placed an emphasis on quality control and staff training. Mr. Messmer is a member of the American Society of Civil Engineers, the American Concrete Institute, the American Society of Highway Engineers and the Society of American Military Engineers. He earned his B.S. degree in Civil Engineering from the University of Pittsburgh. Mr. Messmer was accepted into the Academy of Geo-Professionals in 2013.

July Webinar Series

- National Electrical Code: Onsite Power Generation and Distribution
- OSHA Construction Safety
- Shallow Foundations
- Basics of Fluid Mechanics
- NFPA 70E
- Foundation Damage and Repair



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July Webinar Series

National Electrical Code:

Onsite Power Generation and Distribution

Wednesday, July 10, 2019 and Thursday, July 11, 2019

OSHA Construction Safety - Thursday, July 11, 2019 and Friday, July 12, 2019

Basics of Fluid Mechanics

Tuesday, July 16, 2019 and Wednesday, July 17, 2019

NFPA 70E - Wednesday, July 24, 2019 and Thursday, July 25, 2019

Shallow Foundations - Thursday, July 25, 2019 and Friday, July 26, 2019

Foundation Damage and Repair

Tuesday, July 30, 2019 and Wednesday, July 31, 2019



July Webinar Series



National Electrical Code: Onsite Power Generation and Distribution

Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours
ICC: .6 CEUs (Electrical) AIA: 6.0 HSW|LUs

OSHA Construction Safety

Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 HSW|LUs

Basics of Fluid Mechanics

Engineers: 8.0 PDHs

NFPA 70E

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

Shallow Foundations

Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours AIA: 6.0 HSW|LUs

Foundation Damage and Repair

Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours AIA: 6.0 HSW|LUs

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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National Electrical Code: Onsite Power Generation and Distribution

Series Tuition: ~~-\$300~~ **\$250** when you register for both webinars

Total Credits: **Engineers:** 6.0 HSW CE Hours **AIA:** 6.0 HSW|LUs

Engineers: 6.0 PDHs **ICC:** .6 CEUs (Electrical)

(Each webinar can be taken individually. For credit breakdown, please see course listing online)

National Electrical Code:

Onsite Power Generation and Distribution, Part I

Wednesday, July 10, 2019, 11:00 AM - 2:15 PM CDT (incl. 15 min. break)

Tuition: \$150

National Electrical Code:

Onsite Power Generation and Distribution, Part II

Thursday, July 11, 2019, 11:00 AM - 2:15 PM CDT (incl. 15 min. break)

Tuition: \$150

OSHA Construction Safety

Series Tuition: ~~-\$350~~ **\$300** when you register for all four webinars

Total Credits: **Engineers:** 7.0 PDHs **Architects:** 7.0 HSW CE Hours **AIA:** 7.0 HSW|LUs

(Each webinar can be taken individually. For credit breakdown, please see course listing online)

Overview of Construction Safety Hazards, Statistics and OSHA Requirements

Thursday, July 11, 2019, 11:00 AM - 12:30 PM CDT

Tuition: \$75

Construction Site Fall Prevention, Ladders, Stairways and Excavation

Thursday, July 11, 2019, 1:00 - 3:00 PM CDT

Tuition: \$100

Construction Site Scaffolds, Cranes and Loading Capacities

Friday, July 12, 2019, 11:00 AM - 12:30 PM CDT

Tuition: \$75

Chemical Hazards, Electrical Safety and Personal Protective Equipment

Friday, July 12, 2019, 1:00 - 3:00 PM CDT

Tuition: \$100

To view more information, including detailed agendas, for all of our online learning opportunities, please visit us at:

www.halfmoonseminars.org/webinars/

Basics of Fluid Mechanics

Series Tuition: ~~-\$400~~ **\$350** when you register for all four webinars

Total Credits: **Engineers:** 8.0 PDHs

(Each webinar can be taken individually. For credit breakdown, please see course listing online)

Fluid Mechanics Overview and Theory

Tuesday, July 16, 2019, 11:00 AM - 1:00 PM CDT

Tuition: \$100

Fluid Statics and Fluid Dynamics

Tuesday, July 16, 2019, 1:30 - 3:30 PM CDT

Tuition: \$100

Fluid Dynamics Theory and Applications, Part I

Wednesday, July 17, 2019, 11:00 AM - 1:00 PM CDT

Tuition: \$100

Fluid Dynamics Theory and Applications, Part II

Wednesday, July 17, 1:30 - 3:30 PM CDT

Tuition: \$100

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)

(Each webinar can be taken individually. For credit breakdown, please see course listing online)

NFPA 70E, Part I

Wednesday, July 24, 2019, 11:00 AM - 3:30 PM CDT (incl. 30 min. break)

Tuition: \$200

NFPA 70E, Part II

Thursday, July 25, 2019, 11:00 AM - 3:30 PM CDT (incl. 30 min. break)

Tuition: \$200

Shallow Foundations

Series Tuition: ~~-\$300~~ **\$250** when you register for all four webinars

Total Credits: **Engineers:** 6.0 PDHs **Architects:** 6.0 HSW CE Hours **AIA:** 6.0 HSW|LUs

(Each webinar can be taken individually. For credit breakdown, please see course listing online)

Evaluating Building Sites

Thursday, July 25, 2019, 11:00 AM - 12:30 PM CDT

Tuition: \$75

Shallow Foundation Design

Thursday, July 25, 2019, 1:00 - 2:30 PM CDT

Tuition: \$75

Special Considerations in Foundation Design and Construction

Friday, July 26, 2019, 11:00 AM - 12:30 PM CDT

Tuition: \$75

Soil Improvement and Foundation Diagnosis and Repair

Friday, July 26, 2019, 1:00 - 2:30 PM CDT

Tuition: \$75

Foundation Damage and Repair

Series Tuition: ~~-\$300~~ **\$250** when you register for all four webinars

Total Credits: **Engineers:** 6.0 PDHs **Architects:** 6.0 HSW CE Hours **AIA:** 6.0 HSW|LUs

(Each webinar can be taken individually. For credit breakdown, please see course listing online)

Science of Structures and Soils

Tuesday, July 30, 2019, 11:00 AM - 12:30 PM CDT

Tuition: \$75

Foundation Design and Construction

Tuesday, July 30, 2019, 1:00 - 2:30 PM CDT

Tuition: \$75

Diagnosing Foundation and Slab Damage and Evaluating Repair Methods

Wednesday, July 31, 2019, 11:00 AM - 12:30 PM CDT

Tuition: \$75

Diagnosing Basement Wall Damage and Evaluating Repair Methods

Wednesday, July 31, 2019, 1:00 - 2:30 PM CDT

Tuition: \$75

Continuing Education Credit Information

These live, interactive webinars are designed to qualify for continuing education credit for professional engineers and architects in most states. Please see each webinar listing for the number of available continuing education credits. Course participants need to be aware of any licensing restrictions on online learning to fulfill their continuing education requirements.

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HalfMoon Education is an International Code Council Preferred Provider (No. 1322). CEUs are available for the National Electrical Code: Onsite Power Generation and Distribution and the NFPA 70E webinars.

Participation and knowledge retention will be verified for these webinar events. Certificates of completion will be provided upon successful completion of the quiz at the end of each webinar, and earned LUs will be reported to the AIA/CES.

Webinars are presented via **GoToWebinar**. Instructions and login information will be sent via email the day before the webinar.

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