Faculty

National Electrical Code: Onsite Power Generation and Distribution
John Ross Cramer 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 Safety Craig 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 1998. 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 Corps 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.S.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 at Park 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/service 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
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: .6 CEUs (Electrical) AIA: 6.0 HSW|LUs

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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: $4400
Total Credits: Engineers: 7.0 PDHs
Architects: 7.0 HSW CE Hours
AIA: 7.0 HSWS/LUs
(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 - 1:00 PM CDT
Tuition: $150

National Electrical Code: Onsite Power Generation and Distribution, Part II
Thursday, July 11, 2019, 11:00 AM - 2:15 PM CDT
Tuition: $150

OSHA Construction Safety
Series Tuition: $4500
Total Credits: Engineers: 7.0 PDHs
Architects: 7.0 HSW CE Hours
AIA: 7.0 HSWS/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

OSHA Construction Safety
Series Tuition: $4500
Total Credits: Engineers: 7.0 PDHs
Architects: 7.0 HSW CE Hours
AIA: 7.0 HSWS/LUs
(Each webinar can be taken individually. For credit breakdown, please see course listing online)

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.

HalfMoon Education Inc. is approved as a continuing education provider by the American Institute of Architects (No. 1088). HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. IN200001507), Maryland, New Jersey (Approval No. NJGPP00001700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.
HalfMoon Education is an International Code Council Approved Provider (No. 1522). 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/LUs.

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: $4400
Total Credits: Engineers: 8.0 PDHs
Architects: 8.0 HSW CE Hours
AIA: 8.0 HSWS/LUs
(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: $4400
Total Credits: Engineers: 8.0 PDHs
Architects: 8.0 HSW CE Hours
AIA: 8.0 HSWS/LUs
(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
Tuition: $200

NFPA 70E, Part II
Thursday, July 25, 2019, 11:00 AM - 3:30 PM CDT
Tuition: $200

Shallow Foundations
Series Tuition: $4400
Total Credits: Engineers: 6.0 PDHs
Architects: 6.0 HSW CE Hours
AIA: 6.0 HSWS/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: $4400
Total Credits: Engineers: 6.0 PDHs
Architects: 6.0 HSW CE Hours
AIA: 6.0 HSWS/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

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