

Faculty and Credit Information

Solar Photovoltaic Project Design and Development

John-Ross Cromer is a master electrician with a Mechanical Engineering degree from the University of Pennsylvania, and he is a NABCEP-certified PV installer. Mr. Cromer is the 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.

AutoCAD 3D

Parviz Heravi, P.E., S.E., is a professional engineer with over 20 years of experience in structural engineering as well as construction engineering. His specialized experience includes preliminary design feasibility studies, CADD management, structural constructability, value engineering and coastal engineering. Mr. Heravi is a registered professional engineer and a licensed building and engineering contractor. He is a member of the American Association of Civil Engineers (ASCE). Mr. Heravi earned his B.S.C.E. and M.S.C.E (Structures) degrees from University of Massachusetts, Amherst.

Septic Systems Series

Dr. Sara Heger is an engineer, researcher and instructor in the Onsite Sewage Treatment Program in the Water Resources Center at the University of Minnesota. Since 1999, she has been providing education and technical assistance to homeowners, small communities, onsite professionals and local units of government regarding onsite wastewater treatment. Dr. Heger coordinates the research program at the UMN and is currently serving as the principle investigator on grants to create online owner's guides and evaluate rest stops served by septic systems. She presents at many local and national training events regarding the design, installation and management of septic systems and related research. Dr. Heger is education chair of the Minnesota Onsite Wastewater Association (MOWA) and the National Onsite Wastewater Recycling Association (NOWRA). She serves on the NSF International Committee on Wastewater Treatment Systems and the Chesapeake Bay Review Panel. Dr. Heger is also the chair of the Minnesota State Advisory Committee on Decentralized Systems. She has BS degree in Biosystems & Agricultural Engineering and a PhD degree in Water Resource Science.

Retaining Walls and Slope Stabilization

Bill Simpson, PE, is a geotechnical structure design specialist at Engineered Earth Solutions. He designs and reviews shop drawings for construction and repair of earth structures in the public and private sectors in over 30 states, and he consistently works on more than 1,200 projects and 10 million square feet each year. He performs site visits for new project reconnaissance, construction verification, and construction assistance. Mr. Simpson manages, supervises, instructs, and mentors a team of staff engineers to ensure strict deadlines are met for construction schedules while ensuring design and analysis accuracy. He works with owners, site designers, and contractors to provide designs which are not only structurally sufficient but also financially responsible. Mr. Simpson earned his B.S.C.E. and M.S.C.E. degrees from Georgia Institute of Technology.

National Electrical Code

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 (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).

July Webinar Series

- Solar Photovoltaic Project Design and Development
- AutoCAD 3D
- Septic Systems Series
- Retaining Walls and Slope Stabilization
- National Electrical Code



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July Webinar Series

Solar Photovoltaic Project Design and Development

Thursday, July 5, and Friday, July 6

AutoCAD 3D

Wednesday and Thursday, July 11 and 12
Wednesday and Thursday, July 18 and 19

Septic Systems Series

Thursday, July 19, and Friday, July 20

Retaining Walls and Slope Stabilization

Thursday, July 26, and Friday, July 27

National Electrical Code

Tuesday, July 24, Wednesday, July 25, and Thursday, July 26

July Webinar Series



Solar Photovoltaic Project Design and Development

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

AutoCAD 3D

Architects: 12.0 CE Hours AIA: 12.0 LUs Engineers: 12.0 PDHs

Septic Systems Series

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

Retaining Walls and Slope Stabilization

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

National Electrical Code

Architects: 12.0 HSW CE Hours AIA: 12.0 HSW LUs Engineers: 12.0 PDHs

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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www.halfmoonseminars.org/webinars/



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Solar Photovoltaic Project Design and Development

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

Solar Photovoltaic Project Design and Development, Part I

Thursday, July 5, 2018, 11:00 AM - 2:15 PM CDT (incl. 15 min. break) **Tuition:** \$150

Credits: Architects: 3.0 HSW Contact Hours AIA: 3.0 HSW LUs Engineers: 3.0 PDHs

Solar Photovoltaic Project Design and Development, Part II

Friday, July 6, 2018, 11:00 AM - 2:15 PM CDT (incl. 15 min. break) **Tuition:** \$150

Credits: Architects: 3.0 HSW Contact Hours AIA: 3.0 HSW LUs Engineers: 3.0 PDHs

AutoCAD 3D

Series Tuition: ~~-\$600~~ **\$500** when you register for both webinars

Total Credits: Architects: 12.0 CE Hours **AIA:** 12.0 LUs **Engineers:** 12.0 PDHs

**Each webinar is presented in two parts. Parts I and II cannot be taken individually.*

Using Key Commands and Tools

Part I: Wednesday, July 11, 2018, 11:00 AM - 2:15 PM CDT

Tuition: \$300

Part II: Thursday, July 12, 2018, 11:00 AM - 2:15 PM CDT

Credits: Architects: 6.0 CE Hours AIA: 6.0 LUs Engineers: 6.0 PDHs

Building a Solid Model

Part I: Wednesday, July 18, 2018, 11:00 AM - 2:15 PM CDT

Tuition: \$300

Part II: Thursday, July 19, 2018, 11:00 AM - 2:15 PM CDT

Credits: Architects: 6.0 CE Hours AIA: 6.0 LUs Engineers: 6.0 PDHs

Architects: The subject matter of the AutoCAD 3D webinars is not HSW.

Webinar Instructions

Each webinar session earns continuing education credit and can be registered for individually. All attendees must log-on through their own email – attendees may not watch together if they wish to earn continuing education credit. HalfMoon Education Inc. must be able to prove attendance if either the attendee or HalfMoon Education Inc. is audited.

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.

Webinars are presented via **GoToWebinar**, an easy-to-use application that can be run on most systems and tablets. Instructions and login information will be provided in an email sent close to the date of the webinar. ***It is highly recommended that you download, install and test the application before the webinar begins by clicking on the link in the email.***

Septic Systems Series

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

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

Onsite Wastewater Treatment Technologies, Regulations and Contaminant Removal

Thursday, July 19, 2018, 11:00 AM - 12:30 PM CDT

Tuition: \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Evaluating Sites, Setting Treatment Goals and System Design

Thursday, July 19, 2018, 1:00 - 2:30 PM CDT

Tuition: \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Alternative and Sustainable Treatment Technologies

Friday, July 20, 2018, 11:00 AM - 12:30 PM CDT

Tuition: \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Management Programs for Onsite Wastewater Treatment Systems

Friday, July 20, 2018, 1:00 - 2:30 PM CDT

Tuition: \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Retaining Walls and Slope Stabilization

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

Retaining Wall Basics

Thursday, July 26, 2018, 11:00 AM - 12:00 PM CDT

Tuition: \$50

Credits: Architects: 1.0 HSW CE Hour AIA: 1.0 HSW LU Engineers: 1.0 PDH

Geosynthetics and Retaining Walls

Thursday, July 26, 2018, 12:30 - 3:00 PM CDT

Tuition: \$125

Credits: Architects: 2.5 HSW CE Hours AIA: 2.5 HSW LUs Engineers: 2.5 PDHs

Slope Stability and Geosynthetics

Friday, July 27, 2018, 11:00 AM - 12:30 PM CDT

Tuition: \$75

Credits: Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs Engineers: 1.5 PDHs

Slope and Retaining Wall Failures, Fixes and Prevention

Friday, July 27, 2018, 1:00 - 3:00 PM CDT

Tuition: \$100

Credits: Architects: 2.0 HSW CE Hours AIA: 2.0 HSW LUs Engineers: 2.0 PDHs

GoToWebinar system requirements:

Operating System: Windows 7, 8 or 10 Mac OSX 10.9 (Mavericks) - 10.11 (El Capitan)

Web Browser: Chrome v34+, Firefox v34+, Internet Explorer 8+, Microsoft Edge, Safari v6+

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

For more information visit our FAQ section at www.halfmoonseminars.org.

National Electrical Code

Series Tuition: ~~-\$600~~ **\$500** when you register for all four webinars

Total Credits: Architects: 12.0 HSW CE Hours **AIA:** 12.0 HSW LUs
Engineers: 12.0 PDHs **ICC:** 1.2 CEUs - Electrical

National Electrical Code, Part I

Tuesday, July 24, 2018, 11:00 AM - 3:30 PM CDT (incl. a 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, Part II

Wednesday, July 25, 2018, 11:00 AM - 3:30 PM CDT (incl. a 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, Part III

Thursday, July 26, 2018, 11:00 AM - 3:30 PM CDT (incl. a 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

Continuing Education Credit Information

HalfMoon Education is an American Institute of Architects-approved continuing education sponsor (No. J885) and is deemed an approved continuing education sponsor for architects in New York. These webinars are not approved for Florida architects. Other states do not preapprove educators or courses. Check each webinar for the number of continuing education hours available. HalfMoon Education is an approved engineer continuing education provider in Florida, Indiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. Other states do not preapprove educators or courses. These webinars offer engineer continuing education credit in all states. Check each course listing for the number of PDHs available. HalfMoon Education is an International Code Council Preferred Provider (1232). Participation and knowledge retention will be verified for these webinar events, certificates of completion will be provided, and LUs will be reported to the AIA. Please see individual course listings for available credit approval.

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