

# Faculty

## Residential Energy Code

**Benjamin Cohen** is co-founder and president of ReVireo, an interdisciplinary green building services company, which provides real estate developers and homebuilders with consulting, training, and inspection services to achieve target levels of energy and environmental performance in new construction. Mr. Cohen received his bachelor of science degree in Mechanical Engineering from Union College and is a New Jersey certified engineer-in-training. He is a LEED green associate, LEED for Homes green rater, HERS/ENERGY STAR rater, NGBS verifier, Indoor airPLUS verifier, WaterSense verifier, DOE Zero Energy verifier, and PHIUS+ rater.

## Deep Foundations

**Robert G. Trazo, PE, GE, D.GE.**, of Southern California Geotechnical, Inc. (SCG) has 23 years' experience in the geotechnical industry beginning with analyzing forensic projects associated with the 1994 Northridge earthquake and Malibu landslides. He has worked on large residential, municipal and bridge projects in Orange County as well as building large commercial, industrial and retail buildings throughout Southern California. Mr. Trazo has served as a part-time professor of Civil Engineering at California Polytechnic University in Pomona since 2003, has taught the American Society of Civil Engineers (ASCE) review class for California professional engineer license exam students since 2001, and has served the California Board of Professional Engineers since 2005 as a geotechnical exam development team member and a geotechnical subject matter technical expert reviewing cases involving other geotechnical engineers in California.

## Stormwater Management Systems

**Steven D. Trinkaus** is an internationally-recognized expert in the field of low impact development (LID) and has presented at many regional and international conferences and workshops on LID and water quality issues. Mr. Trinkaus has written LID Design Manuals for the Towns of Tolland, Plainville, Harwinton, and East Granby, Connecticut. He has designed many types of LID treatment systems for a variety of residential and commercial applications. Mr. Trinkaus is chair and primary author for the EWRI LID Guidance Document Task Committee, writing a national guidance document on adopting LID standards, and he is chair of the EWRI Filter Strip/Bioswales Task Committee. Mr. Trinkaus is a licensed professional engineer in Connecticut and also holds the certified professional in erosion and sediment control (CPESC) and certified professional in stormwater quality (CPSWQ) certifications from Envirocert International. He received a bachelor of science degree in Forest Management in 1980 from the University of New Hampshire.

## NFPA 70E Series

**Charles R. Miller**, a master electrician, business owner, author, and educator in Lebanon, Tennessee, has spent 18 years as a successful business owner and electrical contractor. 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, Mr. Miller 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. 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.

## Seismic Design and Construction

**Jon F. Sfura, Ph.D., P.E., S.E.**, is a senior associate at Wiss, Janney, Elstner Associates, Inc., in Northbrook, Illinois. His experience includes the assessment of structural distress and serviceability problems, investigation of structural failures, and rehabilitation of structures. He has published and lectured on seismic design and performance, the assessment of structures, structural failures, and the rehabilitation of structures. Dr. Sfura received his B.S. degree in Civil Engineering from Purdue University, and his M.S. and Ph.D. degrees in Civil Engineering from the University of Illinois. He studied the nonlinear seismic response of asymmetric steel structures to earthquake ground motions as a doctoral candidate. He is a licensed structural engineer in Illinois, civil engineer in California, and professional engineer in Florida and Michigan.

## December Webinar Series

• Residential Energy Code • Deep Foundations • Stormwater Management Systems  
• NFPA 70E Series • Seismic Design and Construction



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# December Webinar Series

## Residential Energy Code

Thursday, December 6, and Friday, December 7

## Deep Foundations

Wednesday, December 12, and Thursday, December 13

## Stormwater Management Systems

Wednesday, December 19, and Thursday, December 20

## NFPA 70E Series

Wednesday, December 26, and Thursday, December 27

## Seismic Design and Construction

Thursday, December 27, and Friday, December 28

# December Webinar Series



## Residential Energy Code

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

## Deep Foundations

Architects: 5.0 HSW CE Hours      AIA: 5.0 HSW LUs      Engineers: 5.0 PDHs

## Stormwater Management Systems

Architects: 4.0 HSW CE Hours      AIA: 4.0 HSW LUs  
Engineers: 4.0 PDHs                      Floodplain Managers: 4.0 ASFPM CECs

## NFPA 70E Series

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

## Seismic Design and Construction

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

*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.*

To register and view webinar agendas visit us online at:  
[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)



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## Residential Energy Code

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 ICC: .6 CEUs (Energy)

### Introduction to the Residential Energy Code and Mandatory Requirements

Thursday, December 6, 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 (Energy)

### IECC Residential Building Envelope Requirements

Thursday, December 6, 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 ICC: .15 CEUs (Energy)

### IECC Residential HVAC v

Friday, December 7, 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 (Energy)

### International Energy Conservation Permit Pathways

Friday, December 7, 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 ICC: .15 CEUs (Energy)

## Deep Foundations

Series Tuition: ~~-\$250~~ **\$225** when you register for all four webinars

**Total Credits:** Architects: 5.0 HSW CE Hours AIA: 5.0 HSW LUs Engineers: 5.0 PDHs

### Deep Foundation Site Evaluation

Wednesday, December 12, 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

### Overview of Deep Foundations

Wednesday, December 12, 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

### Deep Foundation Pile Design

Thursday, December 13, 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

### Deep Foundation Installation and Testing

Thursday, December 13, 2018, 1:00 - 2:00 PM CST **Tuition:** \$50  
Credits: Architects: 1.0 HSW CE Hour AIA: 1.0 HSW LU Engineers: 1.0 PDH

## Stormwater Management Systems

Series Tuition: ~~-\$200~~ **\$175** when you register both webinars

**Total Credits:** Architects: 4.0 HSW CE Hours AIA: 4.0 HSW LUs  
Engineers: 4.0 PDHs Floodplain Managers: 4.0 ASFPM CECs

### Stormwater Infrastructure Practices

Wednesday, December 19, 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 Floodplain Managers: 2.0 ASFPM CECs

### Infiltration Management Techniques

Thursday, December 20, 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 Floodplain Managers: 2.0 ASFPM CECs

## NFPA 70E Series

Series Tuition: ~~-\$400~~ **\$350** when you register both 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

Wednesday, December 26, 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

Thursday, December 27, 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)

## 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.***

## Seismic Design and Construction

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

**Total Credits:** Architects: 8.0 HSW CE Hours AIA: 8.0 HSW LUs  
Engineers: 8.0 PDHs ICC: .8 CEUs (Building)

### Seismology and Building Codes

Thursday, December 27, 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 (Building)

### Seismic Design of Building Structures

Friday, December 28, 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 (Building)

## Continuing Education Credit Information

These live, interactive webinars are designed to qualify for continuing education credit for professional engineers and architects in all states, except for Florida architects. 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. J885) and is approved by the International Code Council as a Preferred Provider of continuing education (No. 1232). HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP0000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects. Other states do not preapprove educators or courses.

The Association of State Floodplain Managers has approved the courses in the Stormwater Management Systems series.

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.

### **GoToWebinar system requirements:**

#### **GoToWebinar App requirements:**

Windows 7 - 10 or Mac OSX 10.9 (Mavericks) - 10.13 (High Sierra)

#### **Web Browser:**

The two most recent version of the following browsers:  
Google Chrome, Mozilla Firefox, Apple Safari, Microsoft Edge

Internet Explorer v11 (or later) with Flash enabled

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

**For more information visit the Support section at [www.gotowebinar.com](http://www.gotowebinar.com).**