

# Faculty

Learn more about our distinguished faculty at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)

## Solar Photovoltaic Project Design and Development

**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*.

## Special Inspections

**Michael Berry, P.E., C.B.O., C.W.I., M.S.I.**, specializes in performing International Building Code (IBC) Chapter 17 special inspections; earthwork and site work inspections and testing; assisting with mechanical, plumbing, building, and electrical inspections; and consulting and code interpretation of IBC, NFPA, AWS D1.1, ASME IX, and ASME B31.1.

## Component Tolerance Analysis

**Robert C. Hoffman, Jr., P.E.**, of Creative Product Solutions, LLC, in Coloma, Michigan has 33 years of experience in both the automotive and consumer products fields. His experience includes extensive use of simulation-based design tools, design of electro-mechanical sub-systems and system-level optimization through sequential learning using design of experiments (DOE). Mr. Hoffman also has experience with the reduction of performance variation using component of variation (COV) studies as well as all aspects of testing and production approval of electro-mechanical products including safety, performance, reliability, and quality.

## HEC-RAS Webinar Series

**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 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.

## National Electrical Code

**Charles R. Miller** is a master electrician and business owner, author, educator in Lebanon, Tennessee. 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). As an author and illustrator, he has an extensive list of electrical-related publications to his credit.

## Slope Stability and Landslide Prevention

**Curran E. Mohnhey, RG, CEG**, is the Engineering Geology Program leader for the Oregon Department of Transportation. He is a registered geologist and a certified engineering geologist in Oregon with over 25 years of experience in Oregon and the western states. Mr. Mohnhey has been involved in the investigation, design, and mitigation of hundreds of landslides and rockfalls.

## Slab-on-Grade Concrete and Pavement for Private Facilities

**Feng Mu, Ph.D.**, is a senior engineer at PNA Construction Technologies and has a master's degree in Geotechnical Engineering and a doctorate degree in Pavement Engineering. He has over 10 years of experience in concrete paving, engineering and research and he has authored over 30 peer-reviewed technical papers, some of which have been highly recognized or awarded in the pavement community.

**Tyler Speakmon, Ph.D.** is a senior paving engineer at CEMEX. Mr. Speakmon is currently an engineer-in-training, and he has over 10 years of experience with concrete paving, engineering, design, and research. He has a master's degree in Civil-Structural Engineering and a doctorate degree in Civil-Materials Engineering from Texas A&M University. Mr. Speakmon has worked with mix design, structural design, life cycle analyses and many other aspects of concrete paving. He serves on the Pavement Design Committee for the American Concrete Pavement Association (ACPA)

# October Webinar Series

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# October Webinar Series

## Solar Photovoltaic Project Design and Development

- Wednesday, October 2 and Thursday, October 3

## Special Inspections - Thursday, October 10 and Friday, October 11

## Component Tolerance Analysis - Thursday, October 17 and Friday, October 18

## National Electrical Code

- Tuesday, October 22, Wednesday, October 23 and Thursday, October 24

## Slope Stability and Landslide Prevention

- Thursday, October 24 and Friday, October 25

## HEC-RAS Webinar Series - Tuesday, October 29 and Thursday, October 31

## Slab-on-Grade Concrete and Pavement for Private Facilities

- Wednesday, October 30 and Thursday, October 31



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# October Webinar Series



## Solar Photovoltaic Project Design and Development

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

## Special Inspections

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

## Component Tolerance Analysis

Engineers: 6.5 PDHs

## HEC-RAS Webinar Series

Engineers: 7.5 PDHs      Floodplain Managers: 7.5 ASFPM CECs  
Architects: 7.5 HSW CE Hours      AIA: 7.5 LU|HSW

## National Electrical Code

Engineers: 12.0 PDHs      ICC: 1.2 CEUs (Electrical)  
Architects: 12.0 HSW CE Hours      AIA: 12.0 LU|HSW

## Slope Stability and Landslide Prevention

Engineers: 6.5 PDHs      Architects: 6.5 HSW CE Hours      AIA: 6.5 LU|HSW  
LA/CES: 6.0 HSW PDHs      Landscape Architects: 6.5 HSW CE Hours      ASFPM: 6.5 CECs

## Slab-on-Grade Concrete and Pavement for Private Facilities

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

Each webinar in these series earns continuing education credit.

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## Solar Photovoltaic Project Design and Development

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

**Total Credits: Engineers:** 6.0 PDHs    **Architects:** 6.0 HSW CE Hours    **AIA:** 6.0 LU|HSW  
(Each webinar can be taken individually. For credit breakdown, please see course listing online.)

### Solar Photovoltaic Project Design and Development, Part I

Wednesday, October 2, 2019, 11:00 AM - 2:15 PM CDT (incl. 15 min. break)    **Tuition:** \$150

### Solar Photovoltaic Project Design and Development, Part II

Thursday, October 3, 2019, 11:00 AM - 2:15 PM CDT (incl. 15 min. break)    **Tuition:** \$150

## Special Inspections

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

**Total Credits: Engineers:** 6.0 PDHs    **ICC:** .6 CEUs (Building)  
**Architects:** 6.0 HSW CE Hours    **AIA:** 6.0 LU|HSW

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

### Introduction to Chapter 17: Special Inspections

Thursday, October 10, 2019, 11:00 AM - 12:30 PM CDT    **Tuition:** \$75

### Soils and Foundations

Thursday, October 10, 2019, 1:00 - 2:30 PM CDT    **Tuition:** \$75

### Reinforced Concrete and Structural Steel

Friday, October 11, 2019, 11:00 AM - 12:30 PM CDT    **Tuition:** \$75

### ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations

Friday, October 11, 2019, 1:00 - 2:30 PM CDT    **Tuition:** \$75

## Component Tolerance Analysis

Series Tuition: ~~-\$325~~ **\$275** when you register for all three webinars

**Total Credits: Engineers:** 6.5 PDHs  
(Each webinar can be taken individually. For credit breakdown, please see course listing online.)

### Introduction to Component Tolerance Analysis

Thursday, October 17, 2019, 11:00 AM - 12:00 PM CDT    **Tuition:** \$50

### Dimensional Tolerance Analysis

Thursday, October 17, 2019, 12:30 - 3:00 PM CDT    **Tuition:** \$125

### Application of Dimensional Tolerance Analysis

Friday, October 18, 2019, 11:00 AM - 2:15 PM CDT (incl. 15 min. break)    **Tuition:** \$150

## National Electrical Code

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

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

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

### National Electrical Code, Part I

Tuesday, October 22, 2019, 11:00 AM - 3:30 PM CDT (incl. 30 min. break)    **Tuition:** \$200

### National Electrical Code, Part II

Wednesday, October 23, 2019, 11:00 AM - 3:30 PM CDT (incl. 30 min. break)    **Tuition:** \$200

### National Electrical Code, Part III

Thursday, October 24, 2019, 11:00 AM - 3:30 PM CDT (incl. 30 min. break)    **Tuition:** \$200

## Slope Stability and Landslide Prevention

Series Tuition: ~~-\$325~~ **\$275** when you register for all four webinars

**Total Credits: Engineers:** 6.5 PDHs    **Architects:** 6.5 HSW CE Hours    **AIA:** 6.5 LU|HSW  
**Landscape Architects:** 6.5 HSW CE Hours    **LA/CES:** 6.5 HSW PDHs    **ASFM:** 6.5 CECs

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

### Slope Movement and Mechanisms

Thursday, October 24, 2019, 11:00 AM - 1:00 PM CDT    **Tuition:** \$100

### Slope Stabilization Methods

Thursday, October 24, 2019, 1:30 - 3:00 PM CDT    **Tuition:** \$75

### Landslide Hazard and Risk Assessment

Friday, October 25, 2019, 11:00 AM - 12:00 PM CDT    **Tuition:** \$50

### Slope Stabilization and Landslide Mitigation

Friday, October 25, 2019, 12:30 - 2:30 PM CDT    **Tuition:** \$100

## HEC-RAS Webinar Series

Series Tuition: ~~-\$375~~ **\$325** when you register for all four webinars

**Total Credits: Engineers:** 7.5 PDHs    **Floodplain Managers:** 7.5 ASFPM CECs  
**Architects:** 7.5 HSW CE Hours    **AIA:** 7.5 LU|HSW

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

### Hydraulic Principles and Applications

Tuesday, October 29, 2019, 11:00 AM - 1:00 PM CDT    **Tuition:** \$100

### Working with the HEC-RAS User Interface

Tuesday, October 29, 2019, 1:30 - 3:00 PM CDT    **Tuition:** \$75

### Water Surface Profiling

Thursday, October 31, 2019, 11:00 AM - 1:00 PM CDT    **Tuition:** \$100

### Steady Flow Surface Profile Demonstrations

Thursday, October 31, 2019, 1:30 - 3:30 PM CDT    **Tuition:** \$100

## Slab-on-Grade Concrete and Pavement for Private Facilities

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

### Concrete and Pavement Design Principles

Wednesday, October 30, 2019, 11:00 AM - 12:00 PM CDT    **Tuition:** \$50

### Exterior Concrete Pavement Design

Wednesday, October 30, 2019, 12:30 - 3:15 PM CDT (incl. 15 min. break)    **Tuition:** \$125

### Interior Concrete Slabs-on-Ground Design

Thursday, October 31, 2019, 11:00 AM - 1:00 PM CDT    **Tuition:** \$100

### Concrete and Pavement Maintenance and Sustainability

Thursday, October 31, 2019, 1:30 - 3:00 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 all 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 registered as a continuing education provider with the American Institute of Architects Continuing Education System (No. J885). HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects.

Halfmoon Education is an approved continuing education provider with the Landscape Architecture Continuing Education System. See the Slope Stability and Landslide Prevention webinars for available HSW PDHs.

HalfMoon Education is an International Code Council Preferred Provider (No. 1232). See the Special Inspections and the National Electrical Code webinars for available CEUs.

The Association of State Floodplain Managers has approved the HEC-RAS Webinar Series. See listings for available CEUs.

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.

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