

# Faculty and Credit Information

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

## Low Impact Development (LID)

**Steven D. Trinkaus** is an internationally-recognized expert in the field of low impact development (LID), having presented at many American Society of Civil Engineers/ Environmental & Water Resource Institute (ASCE/EWRI) international conferences and many other regional conferences and workshops on LID and water quality issues. Mr. Trinkaus has written LID design manuals for the towns of Tolland, Plainville, Harwinton, Morris, and East Granby, Connecticut. He has designed many types of LID treatment systems for a variety of residential and commercial applications.

## Fire Protection and Building Codes

**Robert Marshall** has served as fire marshal with the Contra Costa County Fire Protection District since 2014, previously serving as fire prevention captain and as an inspector. Mr. Marshall received his bachelor's degree in Fire Science/Management from the American Public University System.

## Distributed Battery Webinar

**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*.

## Water Conservation

**Chris Maxwell-Gaines, P.E.**, of Innovative Water Solutions, LLC, served 27 months in the Peace Corps. where he and his wife helped a village in the Amazon rainforest implement a water well project, provided after-school tutoring, and provided business training. In 2004, he started Innovative Water Solutions LLC. IWS is a design/build water conservation company that focuses on the nexus of stormwater management and water conservation.

## International Existing Building Codes

**Arthur Pakatar, LEED Green Associate, CEA** is the principal of Stonehenge Associates, a firm dedicated to the built environment. Over the past 10 years, Mr. Pakatar has prepared and delivered training to code enforcement officers, design professionals and other construction industry stakeholders throughout the Northeast and Mid-Atlantic regions. He has taught throughout the United States. Having participated in creating protocols for several pertinent topics, he is considered a subject matter expert.

## Retaining Structures

**Liiban A. Affi** is the founder of Foundation Engineering Consultants in the state of California. He specializes in excavation support analysis, driller pier foundations and sub-structural engineering software and has authored three books. He was recently awarded a U.S. Patent in a new method of supporting lightly loaded foundations and pavements on highly expansive soils.

## Industrial Stormwater

**Gary R. Brown** is president of RT Environmental Services, Inc., an environmental services firm located in King of Prussia, Pennsylvania. He is a professional engineer in 20 states, and he has been practicing environmental engineering in Pennsylvania and New Jersey since 1973. He is also a qualified environmental professional (QEP) with over 30 years of diversified engineering experience, including 22 years of engineering management experience.

## June Webinar Series

- Low Impact Development
- Fire Protection and Building Codes
- Distributed Battery
- Water Conservation
- Retaining Structures
- Industrial Stormwater
- International Existing Building Codes



HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278

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# June Webinar Series

**Low Impact Development (LID)** - Wednesday, June 5 & Thursday, June 6

**Fire Protection and Building Codes** - Thursday, June 6 & Friday, June 7

**Distributed Battery Webinar** - Wednesday, June 12 & Thursday, June 13

**Water Conservation** - Thursday, June 13 & Friday, June 14

**International Existing Building Codes**

- Thursday, June 20 & Friday, June 21

**Retaining Structures** - Wednesday, June 26 & Thursday, June 27

**Industrial Stormwater** - Thursday, June 27 & Friday, June 28



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# June Webinar Series



## Low Impact Development (LID)

Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours AIA: 4.0 HSW LUs

## Fire Protection and Building Codes

Engineers: 7.0 PDHs ICC: .7 CEUs (Fire)  
Architects: 7.0 HSW CE Hours AIA: 7.0 HSW LUs

## Distributed Battery Webinar

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

## Water Conservation

Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours AIA: 6.5 HSW LUs

## International Existing Building Codes

Engineers: 7.0 PDHs ICC: .7 CEUs (Building)  
Architects: 7.0 HSW CE Hours AIA: 7.0 HSW LUs

## Retaining Structures

Engineers: 4.5 PDHs Architects: 4.5 HSW CE Hours AIA: 4.5 HSW LUs

## Industrial Stormwater

Engineers: 5.0 PDHs Architects: 5.0 HSW CE Hours AIA: Pending  
Floodplain Managers: Pending Landscape Architects: 5.0 HSW CE Hours (LA/CES Pending)

*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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## Low Impact Development (LID)

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

**Total Credits: Engineers:** 4.0 PDHs    **Architects:** 4.0 HSW CE Hours    **AIA:** 4.0 HSW LUs  
(Each webinar can be taken individually. For credit breakdown, please see course listing online)

### Introduction to Low Impact Development and Bioretention System Design

Wednesday, June 5, 2019, 11:00 AM - 1:00 PM CDT      **Tuition:** \$100

### LID Residential Development and Case Studies

Thursday, June 6, 2019, 11:00 AM - 1:00 PM CDT      **Tuition:** \$100

## Fire Protection and Building Codes

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

**Total Credits: Engineers:** 7.0 PDHs    **ICC:** .7 CEUs (Fire)  
**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)

### Introduction to Fire Protection and Life Safety Design

Thursday, June 6, 2019, 11:00 AM - 12:30 PM CDT      **Tuition:** \$75

### Occupancy Classifications

Thursday, June 6, 2019, 1:00 - 2:30 PM CDT      **Tuition:** \$75

### Means of Egress

Friday, June 7, 2019, 11:00 AM - 1:00 PM CDT      **Tuition:** \$100

### Fire Protection Features and Occupancy Exercises

Friday, June 7, 2019, 1:30 - 3:30 PM CDT      **Tuition:** \$100

## Distributed Battery Webinar

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

### The Distributed Battery Webinar, Part I

Wednesday, June 12, 2019, 11:00 AM - 2:15 PM CDT (incl. 15 min. break)      **Tuition:** \$150

### The Distributed Battery Webinar, Part II

Thursday, June 13, 2019, 11:00 AM - 2:15 PM CDT (incl. 15 min. break)      **Tuition:** \$150

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

**For GoToWebinar systems requirements please visit:  
[www.halfmoonseminars.org/faq/](http://www.halfmoonseminars.org/faq/) or [www.gotowebinar.com](http://www.gotowebinar.com).**

## Water Conservation

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

### Evaluating the Owner's Commitment to Water Conservation and Applicable Codes and Standards

Thursday, June 13, 2019, 11:00 AM - 12:30 PM CDT      **Tuition:** \$75

### Assessing the Building Site

Thursday, June 13, 2019, 1:00 - 2:00 PM CDT      **Tuition:** \$50

### Conserving and Reducing Water Use

Friday, June 14, 2019, 11:00 AM - 1:00 PM CDT      **Tuition:** \$100

### Onsite Water Recycling and Minimizing Water Use

Friday, June 14, 2019, 1:30 - 3:30 PM CDT      **Tuition:** \$100

## International Existing Building Codes

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

**Total Credits: Engineers:** 7.0 PDHs    **ICC:** .7 CEUs (Building)  
**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)

### Working with the International Existing Building Code

Thursday, June 20, 2019, 11:00 AM - 12:30 PM CDT      **Tuition:** \$75

### Chapters 3, 4 & 6

Thursday, June 20, 2019, 1:00 - 3:00 PM CDT      **Tuition:** \$100

### Chapters 7-10: Alterations and Occupancy

Friday, June 21, 2019, 11:00 AM - 1:00 PM CDT      **Tuition:** \$100

### Chapters 11, 12 and 14: Additions and Historic Buildings

Friday, June 21, 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 (HSW) in most states. Course participants need to be aware of any licensing restrictions on online learning to fulfill their continuing education requirements. See each webinar listing for the number of credits available.

HalfMoon Education Inc. is approved as a continuing education provider by the American Institute of Architects (No. J885). HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

## Retaining Structures

Series Tuition: ~~-\$225~~ **\$200** when you register for all three webinars

**Total Credits: Engineers:** 4.5 PDHs    **Architects:** 4.5 HSW CE Hours    **AIA:** 4.5 HSW LUs  
(Each webinar can be taken individually. For credit breakdown, please see course listing online)

### Earth Pressures and Surcharges

Wednesday, June 26, 2019, 11:00 AM - 12:30 PM CDT      **Tuition:** \$75

### Cantilever & Apparent Earth Pressures

Wednesday, June 26, 2019, 1:00 - 2:30 PM CDT      **Tuition:** \$75

### Apparent Earth Pressures

Thursday, June 27, 2019, 11:00 AM - 12:30 PM CDT      **Tuition:** \$75

## Industrial Stormwater

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

**Total Credits: Engineers:** 5.0 PDHs    **Architects:** 5.0 HSW CE Hours    **AIA:** Pending  
**Floodplain Managers:** Pending    **Landscape Architects:** 5.0 HSW CE Hours (LA/CES Pending)  
(Each webinar can be taken individually. For credit breakdown, please see course listing online)

### Understanding the Federal Industrial Stormwater Program

Thursday, June 27, 2019, 11:00 AM - 12:30 PM CDT      **Tuition:** \$75

### Examining Stormwater Pollutants and the Development of Total Maximum Daily Loads (TMDLs)

Thursday, June 27, 2019, 1:00 - 2:00 PM CDT      **Tuition:** \$50

### Creating Stormwater Pollution Prevention Plans (SWPPPs)

Friday, June 28, 2019, 11:00 AM - 12:00 PM CDT      **Tuition:** \$50

### Implementing Best Management Practices (BMPs), Sampling and Reporting

Friday, June 28, 2019, 12:30 - 2:00 PM CDT      **Tuition:** \$75

The Industrial Stormwater seminar series has continuing education credit approval pending from the American Institute of Architects, the Landscape Architecture Continuing Education System, and the Association of State Floodplain Managers. Please confirm course approval prior to registering for these activities.

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.