Faculty

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 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 Corp 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.M.E. degree from Auburn University and his M.S. and Ph.D. degrees from Texas A&M University.

Wood Construction

Vincent F. Fratinardo, P.E., S.E., RRC, is a civil/structural engineer and roof consultant. His 20 years of experience includes civil and structural engineering analysis, design, construction administration, field investigation, and project management, and 11 years of experience specific to forensic engineering and the investigation and analysis of building damage and failures. Mr. Fratinardo has designed numerous new buildings, building additions, building renovations, and mechanical platforms and supports. He has designed and analyzed roof, wall and floor framing systems utilizing steel, concrete, masonry, and wood construction. Mr. Fratinardo has vast expertise in commercial, industrial, agricultural, municipal, educational and residential building damage investigations, including on-site investigations after 23 different tornado events, Hurricane Irene and Hurricane Sandy. He has legal experience in depositions, arbitration hearings and trials. He has prepared and performed numerous continuing education presentations, including on an array of topics in forensic engineering, structural engineering and building codes for HalfMoon Education Inc., in multiple states since 2014. Mr. Fratinardo graduated from Michigan State University with a bachelor of science degree in Civil Engineering, and he also holds a master of engineering degree in Civil Engineering from Texas A&M University. He is a registered professional engineer in multiple states and a licensed structural engineer in Illinois.

Off-Grid Master Class

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.

Soil Engineering

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. Mr. Affi is a licensed civil engineer in California 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. He is very interested in filling the practice gap between geotechnical and structural engineers when it comes to foundations and earth retaining structures.

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

April Webinar Series
- HEC-RAS Webinar Series
- Off-Grid Master Class
- Wood Construction
- Soil Engineering

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

April Webinar Series

HEC-RAS Webinar Series
Tuesday, April 2, 2019, and Wednesday, April 3, 2019

Wood Construction
Thursday, April 4, 2019, and Friday, April 5, 2019

Off-Grid Master Class
Wednesday, April 17, 2019, and Thursday, April 18, 2019

Soil Engineering
Thursday, April 25, 2019, and Friday, April 26, 2019

April Webinar Series

HEC-RAS Webinar Series
Engineers: 7.5 PDHs Floodplain Managers: 7.5 ASFPM CECs
Architects: 7.5 HSW CE Hours AIA: 7.5 HSW LUs

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

Off-Grid Master Class
Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours AIA: 6.0 HSW LUs

Soil Engineering
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.

To register and view webinar agendas visit us online at:
www.halfmoonseminars.org/webinars/

HalfMoon Education Inc.
WWW HALFMOONSEMINARS ORG

CONTINUING EDUCATION

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 HSW LUs

Hydraulic Principles and Applications
Tuesday, April 2, 2019, 11:00 AM - 1:00 PM CDT **Tuition**: $100
Credits: Engineers: 2.0 PDHs Floodplain Managers: 2.0 ASFPM CECs
Architects: 2.0 HSW Contact Hours AIA: 2.0 HSW LUs

Working with the HEC-RAS User Interface
Tuesday, April 2, 2019, 1:30 - 3:00 PM CDT **Tuition**: $75
Credits: Engineers: 1.5 PDHs Floodplain Managers: 1.5 ASFPM CECs
Architects: 1.5 HSW Contact Hours AIA: 1.5 HSW LUs

Water Surface Profiling
Wednesday, April 3, 2019, 11:00 AM - 1:00 PM CDT **Tuition**: $100
Credits: Engineers: 2.0 PDHs Floodplain Managers: 2.0 ASFPM CECs
Architects: 2.0 HSW Contact Hours AIA: 2.0 HSW LUs

Steady Flow Surface Profile Demonstrations
Wednesday, April 3, 2019, 1:30 - 3:30 PM CDT **Tuition**: $100
Credits: Engineers: 2.0 PDHs Floodplain Managers: 2.0 ASFPM CECs
Architects: 2.0 HSW Contact Hours AIA: 2.0 HSW LUs

Wood Construction

Series Tuition: ~~$300~~ **$250** when you register for all four webinars
Total Credits: **Engineers**: 6.0 PDHs **Architects**: 6.0 HSW CE Hours **AIA**: 6.0 HSW LUs

Design Specifications, Building Codes and Design Values
Thursday, April 4, 2019, 11:00 AM - 12:30 PM CDT **Tuition**: $75
Credits: Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs

Structural Sawn Lumber, Composite Lumber and Laminated Timber
Thursday, April 4, 2019, 1:00 - 2:30 PM CDT **Tuition**: $75
Credits: Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs

Prefabricated Wood I-Joists Trusses
Friday, April 5, 2019, 11:00 AM - 12:30 PM CDT **Tuition**: $75
Credits: Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs

Connectors and Fire Protection Design
Friday, April 5, 2019, 1:00 - 2:30 PM CDT **Tuition**: $75
Credits: Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs

Off-Grid Master Class

Series Tuition: ~~$300~~ **$250** when you register both webinars
Total Credits: **Engineers**: 6.0 PDHs **Architects**: 6.0 HSW CE Hours **AIA**: 6.0 HSW LUs

Off-Grid Master Class, Part I
Wednesday, April 17, 2019, 11:00 AM - 2:15 PM CDT (incl. 15 min. break) **Tuition**: $150
Credits: Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours AIA: 3.0 HSW LUs

Off-Grid Master Class, Part II
Thursday, April 18, 2019, 11:00 AM - 2:15 PM CDT (incl. 15 min. break) **Tuition**: $150
Credits: Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours AIA: 3.0 HSW LUs

Soil Engineering

Series Tuition: ~~$300~~ **$250** when you register for all four webinars
Total Credits: **Engineers**: 6.0 PDHs **Architects**: 6.0 HSW CE Hours **AIA**: 6.0 HSW LUs

Introduction to Soil Engineering
Thursday, April 25, 2019, 11:00 AM - 12:30 PM CDT **Tuition**: $75
Credits: Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs

Design of Excavation Support Systems
Thursday, April 25, 2019, 1:00 - 2:30 PM CDT **Tuition**: $75
Credits: Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs

Slope Repair Techniques
Friday, April 26, 2019, 11:00 AM - 12:30 PM CDT **Tuition**: $75
Credits: Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs

Soil Engineering after College: Practical Approaches to Foundations and Retaining Structures
Friday, April 26, 2019, 1:00 - 2:30 PM CDT **Tuition**: $75
Credits: Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours AIA: 1.5 HSW LUs

To view more information, including detailed agendas, for all of our online learning opportunites, please visit us at:

www.halfmoonseminars.org/webinars/

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. 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 (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

The Association of State Floodplain Managers has approved the webinars in the HEC-RAS series. See each listing for the available CECs.

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.

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.***

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*.