

Credit Information

Deep Foundations

This webinar is open to the public and is designed to qualify for 3.0 PDHs for professional engineers and 3.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00049300) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 3.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .3 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request: 3.0 HSW LUs (AIA)

Underwater Excavations and Foundations

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The American Institute of Architects Continuing Education System has approved this program for 3.0 HSW learning units (Sponsor No. J885). Only full participation is reportable to the AIA CES. Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

The International Code Council has approved this event for .3 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

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Foundation Webinars: Deep Foundations & Underwater Excavations and Foundations

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Live, Interactive Webinars

Deep Foundations

- Thursday, August 8, 2024 | 9:00 am - 12:00 pm CDT

Underwater Excavations and Foundations

- Thursday, August 8, 2024 | 1:00 - 4:15 pm CDT

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Foundations Webinars



Deep Foundations

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Credits: Professional Engineers: 3.0 PDHs
Architects: 3.0 HSW CE Hours | AIA: 3.0 LU | HSW
International Code Council: .3 CEUs (Building)

Underwater Excavations and Foundations

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Credits: Professional Engineers: 3.0 PDHs
Architects: 3.0 HSW CE Hours | AIA: 3.0 LU | HSW
International Code Council: .3 CEUs (Sitework)

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Deep Foundations

Thursday, August 8, 2024 | 9:00 am - 12:00 pm CDT

Tuition: \$179 per registrant

Credits: Professional Engineers: 3.0 PDHs
Architects: 3.0 HSW CE Hours | AIA: 3.0 LU | HSW
International Code Council: .3 CEUs (Building)

- Agenda:**
- Types of Deep Foundations and Installation Methods
 - Driven piles
 - Auger-cast-in-place piles
 - Drilled shafts
 - Testing and Evaluations for Geotechnical Load Bearing Capacity and Structural Integrity Assessments: Driven Piles
 - Wave equation analysis of pile drivability
 - Conventional static load testing
 - Dynamic monitoring
 - Dynamic load testing
 - Testing and Evaluations for Geotechnical Load Bearing Capacity and Structural Integrity Assessments: Auger-cast Piles and Drilled Shafts
 - Low-strain integrity testing
 - Cross-hole Sonic logging
 - Thermal integrity profiling
 - Bi-directional static load testing
 - Dynamic load testing
- 24 SWDEPFND 8 8 WEBR PW

Faculty



Mohamad Hussein, P.E. *Principal Engineer at GRL Engineers, Inc*

Mr. Hussein is principal engineer/executive vice president of GRL Engineers Inc., and executive director of Global Industry Relations at Pile Dynamics, Inc. In his 40+ years career he has consulted on more than 1,000 deep foundations projects in 35 States in the USA and several countries. Mr. Hussein has conducted research on deep foundations in association with several universities, and is the managing lecturer of the American Society of Civil Engineers (ASCE) continuing education class: Deep Foundations Design, Construction, and Quality Control. Mr. Hussein is a member of technical committees of ASTM, DFI, PDCA, ASCE, TRB, and other organizations. He has chaired the Deep Foundations Committee of the ASCE's Geo- Institute (2002-2009) and the PDCA's Education Committee (2012-2013) and he currently chairs the PDCA's Technical Committee. He has published over 60 technical papers, and co-edited 10 books. He is a registered professional engineer in several states, and is recipient of several professional and industry awards and recognitions.

Learn More and Register:
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Underwater Excavations and Foundations

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International Code Council: .3 CEUs (Sitework)

- Agenda:**
- Introduction To Underwater Excavations
 - Applications For Underwater Foundations
 - Challenges Of Underwater Excavations And Foundation Construction
 - Underwater Site Assessment
 - Excavating Underwater
 - Caissons
 - Cofferdams
 - Underwater Foundation Design
 - Driven Piles
 - Construction Process
 - Quality Control
 - Solving Common Problems In Underwater Excavations
 - Case Studies
- 24 SWUEXCFD 8 8 WEBR PW

Faculty

Ken Griffin, MEng, PMP *President of Underwater Engineering Services, Inc*

Mr. Griffin serves GPI as the president of Underwater Engineering Services after his initial 20 years as a diver and 10 years as a consultant. Upon graduating with his master's degree from the University of Alabama, he served as an Airborne Infantryman in the Army before attending Commercial Diving Training. Once training in commercial diving, Mr. Griffin began working in both the offshore and inland diving sectors.

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Additional Learning

- Asphalt Pavement: Production, Placement and Preservation**
- Friday, July 12, 2024 | 1:00 - 5:15 pm CDT
- Servicing and Maintaining EV Battery-Backed Chargers**
- Monday, July 15, 2024 | 1:00 - 3:00 pm CDT
- Roadmap to Ethical Issues in Construction: A Primer for Design Professionals**
- Tuesday, July 16, 2024 | 11:00 am - 1:00 pm CDT
- Shallow Foundation Design, Construction and Repair**
- Tuesday, July 16, 2024 | 8:30 am - 4:30 pm CDT
- Brownfield Planning and Redevelopment**
- Wednesday, July 17, 2024 | 10:00 am - 12:00 pm CDT
- Deep Dive into Cool Roofs and Cool Walls**
- Wednesday, July 17, 2024 | 12:30 - 2:30 pm CDT
- Applying the Building Code to Cannabis Facilities**
- Friday, July 26, 2024 | 8:30 am - 3:30 pm CDT
- Historic Preservation, Restoration and Rehabilitation**
- Monday, July 29, 2024 | 9:00 am - 4:00 pm CDT
- High-Performance Building Envelope Design and Construction**
- Monday, July 29, 2024 | 8:30 am - 4:00 pm CDT
- Modular Construction and Prefabricated Components: Residential, Multi-Family and Commercial Buildings**
- Tuesday, July 30, 2024 | 9:00 am - 3:50 pm CDT
- Wood Frame Design for Residential and Small Commercial Buildings**
- Tuesday, July 30, 2024 | 9:00 am - 4:30 pm CDT
- Design-Build Project Delivery**
- Wednesday, July 31, 2024 | 9:00 am - 4:00 pm CDT
- Parking Structure Design, Construction and Maintenance**
- Wednesday, July 31, 2024 | 9:00 am - 4:30 pm CDT
- Embodied Carbon: What It Is and What to Do About It**
- Thursday, August 1, 2024 | 10:00 am - 1:00 pm CDT
- A Horticultural Guide for Realizing Full Potential of Green Infrastructure Projects**
- Monday, August 5, 2024 | 8:30 am - 3:50 pm CDT
- Designing Accessible Pedestrian Facilities under ADA, IBC and PROWAG**
- Tuesday, August 6, 2024 | 9:00 am - 12:30 pm CDT
- Thursday, August 8, 2024 | 9:00 am - 12:30 pm CDT
- How to Analyze Common Construction Defects and Failures**
- Wednesday, August 7, 2024 | 2:00 - 4:00 pm CDT

For more information and other online learning opportunities visit:
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