

HalfMoon Education Live Continuing Education Webinars

Shallow Foundation Design and Construction

Online - Friday, November 18, 2022 | 8:30 am - 4:30 pm CST

Credits:

Professional Engineers: 6.5 PDHs

Architects: 6.5 HSW CE Hours AIA: 6.5 LU|HSW

International Code Council: .65 CEUs (Building)

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AIA
Continuing
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PREFERRED
EDUCATION
PROVIDER

Evaluating Building Sites

- Desk study
- Geology
- Subsurface exploration
- Laboratory soil testing
- Soil/rock classification
- Subsurface design profile

Shallow Foundation Types and Design Considerations

- Spread footings
- Mat foundations
- Conventionally reinforced slab foundations
- Post-tensioned slab foundations
- Use of drilled piers with slab foundations

Allowable Settlement and Consolidation

- Theories of bearing capacity
- Consolidation settlement of clay soils
- Elastic settlement of granular soils
- Calculating loads and determining bearing capacity

Subgrade Improvement and Construction Considerations

- Expansive soils
- Subgrade improvement
- Dewatering and drainage
- Excavation and underpinning

Shallow Foundations for Retaining Walls

- Bearing capacities
- Lateral pressures
- Global stability
- Foundations on slopes
- Basement retaining walls

Presented by

Rajendra Meruva, PE *Delek Logistics*

Mr. Meruva is a geotechnical engineer with 22 years of experience. He is a professional engineer (PE) in Texas, New Mexico, South Carolina, Louisiana, and Tennessee. Mr. Meruva has worked on a variety of projects, including nuclear facilities, wind turbines, bridges, hospitals, parking garages, highrise buildings, refineries, gas plants, schools, dams, landfills, and hydraulic fracking pits, and he has worked in the oil and gas industry. In his current role with Delek, he serves as a lead civil engineer providing civil/geotechnical/structural support on oil and gas midstream facilities. He also provides training to junior and entry-level staff. Mr. Meruva earned his M.S. degree in Geotechnical Engineering from the University of Houston in Houston, Texas.

Tuition

\$319 for individual registration
\$289 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

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or scan here



Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers and 6.5 HSW continuing education hours for licensed architects in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) 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 6.5 LU/HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Building (Preferred Provider No. I232).

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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Recordings of this webinar are available for purchase. See details online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.