

Credit Information

New York Slope Stabilization and Landslide Prevention

This webinar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects and landscape architects licensed in New York.

HalfMoon Education is deemed a New York-approved continuing education provider for engineers, architects, and landscape architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2), and §79-1.5(i)(2)).

Engineers, architects and landscape architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility. HalfMoon Education is not seeking landscape architect approval in New Jersey.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved HalfMoon Education as a provider of continuing education. This course has been submitted for LA CES approval and is currently pending. Only full participation is reportable to LA CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

New York Erosion and Sediment Control

This webinar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects and landscape architects licensed in New York.

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Engineers, architects and landscape architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility. HalfMoon Education is not seeking landscape architect approval in New Jersey.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This webinar has been approved by the Association of State Floodplain Managers for 6.5 CECs for floodplain managers.

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Live, Interactive New York Webinars

- New York Slope Stabilization and Landslide Prevention
- New York Erosion and Sediment Control

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Live, Interactive New York Webinars

New York Slope Stabilization and Landslide Prevention

- Monday, January 31, 2022 | 8:30 am - 4:30 pm EST

New York Erosion and Sediment Control

- Thursday, February 3, 2022 | 8:30 am - 4:30 pm EST

To register, view detailed presenter biographies, and see other learning opportunities, please visit:

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AIA: 6.5 LU|HSW Landscape Architects: 6.5 HSW CE Hours
LA CES: Pending International Code Council: .65 CEUs (Sitework)



New York Erosion and Sediment Control

Thursday, February 3, 2022 | 8:30 am - 4:30 pm EST

Credits: Professional 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 Floodplain Managers: 6.5 ASFPM CECs
International Code Council: .65 CEUs (Sitework)



New York Slope Stabilization and Landslide Prevention

Monday, January 31, 2022 | 8:30 am - 4:30 pm EST (incl. a 60-min break)

Tuition: \$289 per registrant, \$239 per registrant for three or more

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

Slope Stability Introduction and Investigations

- Types of slope movement and instability
 - Erosion and mudslides
 - Deep seated circular failures
 - Rockfall and rock slides
- Veneer failures
- Rapid drawdown
- Seismic

Soil investigations for slope stability

- Site reconnaissance
- Geology and visual observations
- Obtaining and reviewing geotechnical reports
- Establishing appropriate investigational methods
- Subsurface investigations

Reviewing Properties of Soils and Rock

- Soil classification
- Physical properties
- Permeability
- Drained and undrained shear strength
- Rock mass rating (RMR)
 - Compressive strength
 - Rock quality designation (RQD)
- Bedding planes, spacing and condition of discontinuities

Slope Stability and Rockfall Analyses

- Slope stability concepts
- Understanding slope failures
- Impact of surface water and groundwater
- Seismic stability
- Rockfall analyses

Slope Stabilization and Case Histories

- Examining slope stabilization methods
 - Surface armament and vegetation
- Unloading and buttressing
 - Drainage
 - Reinforcement with geosynthetics
 - Rock slope stabilization
- Case histories

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Agenda

New York Erosion and Sediment Control Requirements and Practices

- Environmental Protection Agency regulations
- New York Department of Environmental Conservation
- New York Standards and Specifications for Erosion and Sediment Control
- Requirements and enforcement

Goals for and Selection of Erosion and Sediment Control Practices

- Causes of erosion and sedimentation
- Practices that minimize site disturbance
- Preservation of native vegetation
- Selecting appropriate practices for disturbed areas on the construction site

Non-Structural Erosion and Sediment Control Best Practices

- Establishment of buffer zones
- Temporary and permanent seeding, sodding and mulching
- Use of geotextiles
- Chemical soil stabilization

Stream and Bank Stabilization

- Stream bank erosion protection
- Bank stabilization and repair

Structural Erosion and Sediment Control Practices

- Earthen dikes
- Pipe drains
- Silt fences
- Check dams
- Drainage swales
- Subsurface drains
- Berms

Sediment Traps and Sediment Basins

- Calculating flow rates and capacity
- Designing and sizing
- Maintenance plans

Permanent Stormwater Management Practices

- Basics of hydrology
- Rate vs volume control
- Ponds, infiltration, and bioretention

Operation and Maintenance Plans

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Faculty

New York Slope Stabilization and Landslide Prevention

James "Jay" A. McKelvey, III, P.E., D.GE, F.ASCE

Director - Geotechnical Design Division at Earth Engineering Inc.

Mr. McKelvey is the director of the Geotechnical Design Division at Earth Engineering Inc. in East Norriton, Pennsylvania. He is a registered professional engineer (P.E.) in California, Delaware, Maryland, New Jersey, Pennsylvania, Virginia and the District of Columbia. Mr. McKelvey is also a Diplomate (D.GE) of the Academy of Geo-Professionals and a Fellow of the American Society of Civil Engineers (F.ASCE).

Mr. McKelvey has extensive experience in geotechnical engineering including site assessment and field investigations; deep and shallow foundation design for buildings, bridges and other structures; retaining wall design; embankment stability; mechanically stabilized soil structures; and subsurface hydrology.

He also has significant experience in mitigating heavy construction claims and litigation support pertaining to impacted heavy construction projects. Mr. McKelvey has also handled construction support and construction quality assurance projects. His environmental engineering experience includes technical contributions to the remediation of many Superfund sites and over 50 landfill design projects.

Mr. McKelvey has published over 30 technical papers in journals, conference proceedings and trade magazines. He is currently the past chair for the Delaware Valley Geo-Institute (DVGI) and is a voting member in ASTM committees Soil and Rock (D18), and Geosynthetics (D35) and is an editorial board member of the *Geotechnical Testing Journal*. Mr. McKelvey also serves on two Geo-Institute committees, Earth Structures and Embankments and Dams, the latter of which he is a member of the subcommittee on landslide risk assessment.

New York Erosion and Sediment Control

Steven D. Trinkaus *Principal at Trinkaus Engineering, LLC, in Southbury, CT*

Mr. 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. He was an invited speaker by the Water Resources Agency in Taichung, Taiwan, to present a 12-hour workshop on LID in December of 2011. He has been an invited presenter and consultant multiple times on storm water and LID in China and South Korea since 2013. He has designed LID retrofits in Zhenjiang, China. He has reviewed and edited LID reports by Pusan National University and Land & Housing Institute in South Korea. 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. Mr. Trinkaus is primary author of the EWRI Filter Strip/Bioswales Task Committee. Mr. Trinkaus is a licensed professional engineer in Connecticut and Maryland. He received a bachelor of science degree in Forest Management in 1980 from the University of New Hampshire. Mr. Trinkaus has more than 39 years of experience in the land development field and more than 19 years of experience designing low impact development treatment systems and ten years writing LID regulations and design manuals.

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