

Agenda

Presented by Deborah Fisher, P.E., CFM, CPESC

Slope Mechanics and Movement

Types and causes of slope movement and instability

- Rock fall and rockslides
- Subsidence
- Landslides, mudslides and mudflows

Soils, water and geology

- Reviewing geologic conditions
- Examining soils and topography
- Evaluating surface and groundwater conditions
- Natural slopes
- Engineered slopes

Effects of construction on soils and water management

Slope Stabilization Methods

Use of vegetation

Surface and erosion protection

Drainage

Walls

Installing earth retention structures

Rock slope stabilization

Geosynthetics

Lime stabilization

The Impacts of Water on Soil Stability

Preserving stream corridors

Restoration of streams

Floodplains

Surface water

Groundwater

Stormwater management and drainage

Sub-surface drainage systems

Can't Attend? Order the Manual and the Audio from the Live Seminar as a Self-Study Package!

An audio recording of this seminar is available for \$289. Allow four weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Slope Stabilization and Landslide Prevention
Albuquerque, NM - Thursday, February 21, 2019

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Learning Objectives

You'll be able to:

Understand different types of slope movement and instability.

Analyze the stability of natural and engineered slopes.

Evaluate how surface and groundwater conditions impact slope stability.

Control the impact of water by preserving streams and maintaining drainage.

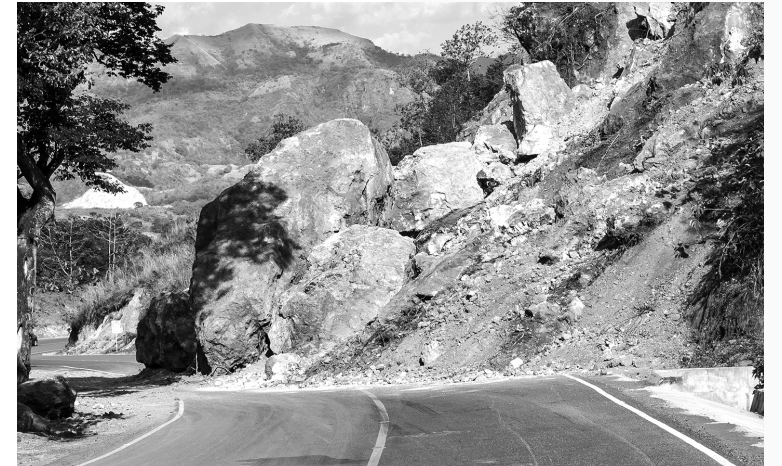
Explore slope stabilization methods including geosynthetics and the use of earth retention structures.

Assess the risk of landslide and discuss mitigation strategies.



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Identify types of slope movement and instability

Review geologic conditions and examine soils and topography

Examine various slope stabilization methods including vegetation, geosynthetics and retaining structures

Understand the risk of landslide and explore mitigation strategies

Manage the impact of water on slopes

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW Continuing Ed. Hours

7.0 AIA HSW Learning Units

Landscape Architects

7.0 HSW CPE Hours

7.0 LA CES HSW PDHs

Contractors

Non-Credit Continuing Ed.



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Faculty

Deborah Fisher, P.E., CFM, CPESC
Water Resources Engineer at Water Engineering Solutions LLC

Ms. Fisher has over 30 years of experience in hydrology and hydraulics, having designed hundreds of drainage and water quality treatment facilities all along the front range of Colorado. She has also authored hundreds of drainage studies and is well versed in low impact development, groundwater investigation, and emergency flood mitigation. She was the continuing education director for Martin/Martin for over ten years, and she conducted several hundred classes for the civil department. Ms. Fisher’s current passion is helping people and solving problems, particularly for homeowners, to understand water migration and control, both on the surface and underground. She has performed dozens of site visits and water issue evaluations for conditions such as standing water, wet basements, excessive sump pump discharges, or other drainage issues.

Seminar Information

Albuquerque Marriott Pyramid North	Registration	Lunch (On your own)
5151 San Francisco Rd NE	8:00 - 8:30 am	12:00 - 1:00 pm
Albuquerque, NM 87109	Morning Session	Afternoon Session
(505) 821-3333	8:30 am - 12:00 pm	1:00 - 5:00 pm

Tuition
\$279 for individual registration
\$259 for three or more simultaneous registrations.
Included with your registration:
Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit *www.halfmoonseminars.org*.

How to Register
• Visit us online at www.halfmoonseminars.org
• Mail-in or fax the attached form to 715-835-6066
• Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Additional Learning

Webinar Series
Pumping and Piping Systems

- **Introduction to Pumps: Operation, Principles and Calculations**
Thurs., Jan. 24, 2019, 12:00 - 2:00 PM CST
- **Design Standards and Codes**
Thurs., Jan. 24, 2019, 2:30 - 3:30 PM CST
- **Piping System Components, Materials and Calculations**
Fri., Jan. 25, 2019, 12:00 - 2:00 PM CST
- **Handling Pump and Piping System Problems**
Fri., Jan. 25, 2019, 2:30 - 3:30 PM CST

Off-Grid Master Class

- **Off-Grid Master Class, Part I**
Wed., Feb. 6, 2019, 11:00 AM -2:15 PM CST
- **Off-Grid Master Class, Part II**
Thurs., Feb. 7, 2019, 11:00 AM -2:15 PM CST

Complying with ADA Standards for Accessible Design

- **Complying with Federal and State Accessibility Requirements**
Thurs., Feb. 7, 2019, 11:00 AM -1:30 PM CST
- **Meeting Requirements in IBC and ADA Standards**
Fri., Feb. 8, 2019, 11:00 AM -1:30 PM CST

Special Inspections

- **Introduction to Chapter 17: Special Inspections**
Wed., Feb. 13, 2019, 11:00 AM -12:30 PM CST
- **Soils and Foundations**
Wed., Feb. 13, 2019, 1:00 -2:30 PM CST
- **Reinforced Concrete and Structural Steel**
Thurs., Feb. 14, 2019, 11:00 AM -12:30 PM CST
- **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**
Thurs., Feb. 14, 2019, 1:00 -2:30 PM CST

For more information visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers, 7.0 HSW continuing education hours to architects, and 7.0 HSW CPE hours to landscape architects in most states, including New Mexico. Educators and courses are not subject to preapproval in New Mexico.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 7.0 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES.

Professional engineers, architects and landscape architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

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Registration

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How to Register	
Online: www.halfmoonseminars.org	
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Complete the entire form. Attach duplicates if necessary.	
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Tuition
() **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.
() **I am not attending.** Please send me the self-study package for **\$289.00**.

☐ Downloadable MP3 Audio/PDF Manual
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(Please allow four weeks from seminar date for delivery)

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