

Agenda

Presented by Binod Tiwari, Ph.D., P.E.

Analyzing the Stability of Slopes

Evaluating types of slopes

- Natural slopes
- Engineered slopes

Reviewing geologic conditions

Examining soils and topography

Evaluating surface and groundwater conditions

Methods of slope failure

- Rock fall and rockslides
- Slump
- Mudslides

Methods of slope analysis

Case Studies

Question and answer

Slope Stabilization Methods

Unloading

Buttressing

Draining

Reinforcing

Installing retaining walls

Use of vegetation

Surface protection

Soil engineering

Rock slope stabilization

Reviewing Slope Stabilization Case Studies

Slope Stabilization and Landslide Prevention
San Diego, CA - Tuesday, February 27, 2018

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Learning Objectives

You'll be able to:

Identify the methods and causes of slope failure.

Enhance your ability to evaluate the stability of natural and engineered slopes.

Consider the impact of soils, topography, and surface and groundwater conditions.

Evaluate slope stabilization methods including unloading, draining and reinforcing; using retaining walls; and more.

Apply what you have learned to discussion of slope stabilization case studies.



Slope Stabilization and Landslide Prevention

San Diego, CA - Tuesday, February 27, 2018



Review types of slopes, geologic conditions, and soils and topography

Learn about methods and causes of slope failure

Receive practical guidance on analyzing the stability of slopes
Explore slope stabilization methods

Discuss slope stabilization case studies

Continuing Education Credits

California Engineers & Geologists

Non-Credit Continuing Ed.

Architects & Landscape Architects

6.0 AIA HSW Learning Units
6.0 LACES HSW PDHs

Floodplain Managers

6.0 ASFPD CECs

Contractors

Non-Credit Continuing Ed.



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Faculty

Binod Tiwari, Ph.D., P.E. is a professor in the Civil and Environmental Engineering Department of California State University, Fullerton. He earned his Ph.D. degree in Geotechnical Engineering in 2003 and is expert in the fields of slope stability and stabilization, landslide mitigation, applied GIS, soil behavior and characterization, and geotechnical earthquake engineering. Mr. Tiwari is a member of various technical committees for ASCE and the International Society for Soil Mechanics and Geotechnical Engineering, and he is editor as well as reviewer for various international journals. He was post-doc at Niigata University, Japan, and Virginia Tech for more than three years prior to his position at CSUF since fall 2006. Mr. Tiwari is a licensed professional engineer in the state of California and has more than 20 years experience in design and implementation of projects pertinent to slope stability and stabilization.

Here’s what past attendees had to say about the seminar and presenter Binod Tiwari:

“Covered many useful topics, had good delivery and addressed questions in a positive manner.”
— Archaeologist

“Great content.” — Geotechnical Engineer

“Lots of good cross sections of many different landslides—very helpful.”
— Deputy Director of Public Works

“Good seminar.” — Civil and Environmental Engineer

Seminar Information

Courtyard Mission Valley Hotel Circle 595 Hotel Circle South San Diego, CA 92108 (619) 291-5720	Registration 8:00 - 8:30 am Morning Session 8:30 - 11:45 am	Lunch (On your own) 11:45 am - 12:45 pm Afternoon Session 12:45 - 4:00 pm
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Tuition
\$279 for individual registration
\$259 for three or more simultaneous registrations.

Each registration includes a 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 a job description, go online to 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 CD/manual package. You may also send another person to take your place.

Can’t Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for \$289 (including shipping). Allow five 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.

Additional Learning

Webinar Series

- Technical Writing**
 - **Technical Writing Basics**
Tues., Jan. 9, 2018, 11:00 AM - 1:00 PM CST
 - **Planning Documents**
Tues., Jan. 9, 2018, 1:30 - 3:30 PM CST
 - **Writing Documents**
Wed., Jan. 10, 2018, 11:00 AM - 1:00 PM CST
 - **Revising and Editing Documents**
Wed., Jan. 10, 2018, 1:30 - 3:30 PM CST
- Masonry Design and Construction**
 - **Introduction to Masonry Materials and Requirements**
Thurs., Jan. 11, 2018, 11:00 AM - 1:00 PM CST
 - **Masonry Construction Techniques**
Thurs., Jan. 11, 2018, 1:30 - 3:30 PM CST
 - **Quality Control and Sampling**
Fri., Jan. 12, 2018, 11:00 AM - 1:00 PM CST
 - **Masonry Inspections and the Masonry Standards Joint Committee (MSJC) Code**
Fri., Jan. 12, 2018, 1:30 - 3:30 PM CST

- Deep Foundations**
 - **Deep Foundation Site Evaluation**
Wed., Jan. 17, 2018, 11:00 AM - 12:00 PM CST
 - **Overview of Deep Foundations**
Wed., Jan. 17, 2018, 12:30 - 2:00 PM CST
 - **Deep Foundation Pile Design**
Thurs., Jan. 18, 2018, 11:00 AM - 12:30 PM CST
 - **Deep Foundation Installation and Testing**
Thurs., Jan. 18, 2018, 1:00 - 2:00 PM CST
- Designing Solar Roofs and Community Solar**
 - **Design Your Solar Roof**
Wed., Jan. 24, 2018, 11:00 AM - 2:15 PM CST
 - **Community Solar**
Wed., Jan. 31, 2018, 11:00 AM - 2:15 PM CST

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

Continuing Education Credit Information

This seminar is open to the public and offers 6.0 non-credit continuing education hours to California professional engineers, geologists, and architects. It will qualify for required continuing education credit in all other states, except Florida architects. This course also offers a 6.0 hour non-credit continuing education opportunity to California landscape architects.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. Other states do not preapprove educators or courses.

This seminar is approved by The American Institute of Architects for 6.0 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.0 HSW PDHs. The subject matter of this seminar does not qualify for California architect continuing education credit.

The Association of State Floodplain Managers has approved this event for 6.0 CECs.

This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved in any state with a mandatory continuing education.

Attendance will be monitored and reported, as required. 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.

Registration

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How to Register		Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____ Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____ Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred. () I need special accommodations. Please contact me.
Online: www.halfmoonseminars.org		
Phone: 715-835-5900		
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Complete the entire form. Attach duplicates if necessary.		

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 CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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Credit Card Number: _____
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