Agenda

Presented by Jorge F. Meneses, Ph.D., P.E., G.E., D.GE, F.ASCE

Understanding the Effect of Seismic Loads on Buildings
Measuring seismic activity
Quantifying the forces on soils, foundations and buildings
Strength and stiffness
Strength procedures, allowable stress procedures, performance-based procedures
Serviceability and functionality
Seismic force distribution (load path)

Reviewing Applicable Building Codes and Design Guidelines
Seismic design criteria
ASCE 7 seismic provisions
International Building Code

Site-specific Ground Motion Procedures for Seismic Design
Site response
Risk-targeted maximum considered earthquake
Probabilistic, deterministic, site-specific

Selection and Modification of Time Histories for Seismic Design
Ground motion databases
Selection criteria
Modification procedures

Soil Structure Interaction for Seismic Design
Foundation damping effects
Kinematic interaction effects

Learning Objectives

You’ll be able to:

Learn about the effect of seismic loads on buildings.

Explore applicable building codes and design guidelines, including ASCE 7 and the International Building Code.

Define site-specific ground motion procedures for seismic design.

Discuss selection and modification of time histories for seismic design.

Review soil structure interaction for seismic design.

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at $269. See registration panel 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.
Faculty

Jorge F. Meneses, Ph.D., P.E., G.E., D.GE, FASCE
Principal Geotechnical Engineer, BMA Group, Inc.

Dr. Meneses has more than 30 years of consultancy, project management, research, and teaching experience, in both private industry and research institutions in the field of geotechnical and earthquake engineering. He has been involved in numerous projects serving as a technical lead in geotechnical earthquake engineering and foundation engineering across the country and various markets including water, nuclear, transportation, high-rise buildings, energy, schools, hospitals, commercial and industrial. Dr. Meneses frequently acts as a peer reviewer for technical conferences and technical journal publications, is a guest speaker for domestic and international conferences, and has published more than 60 technical publications. He is currently a part-time faculty member in the graduate school of San Diego State University. He is the president and founder of the Earthquake Engineering Research Institute (EERI) San Diego Chapter, member of the EERI Board of Directors. California seismic safety commissioner, honorary chair of the ASCE Geo-Institute San Diego Chapter, member of the ASCE 7-16 (Minimum Design Loads for Buildings and Other Structures) and ASCE 1 (Geotechnical Analysis, Design, Construction, Inspection and Monitoring of Nuclear Safety-Related Structures) committee, member of the Industry Advisory Board, Department of Structural Engineering (University of California San Diego), a member of the Academy of Geo-Professionals, and a Fellow of the American Society of Civil Engineers (ASCE).

Here’s what past attendees had to say about the program and presenter Jorge Meneses:

"Enjoyable and I learned a lot." — Engineer

"Good presenter. Highly knowledgeable and approachable." — Engineering Geologist/Civil Engineer

Seminar Information

Irvine Marriott
18800 Von Karman Avenue
Irvine, CA 92612
(949) 553-0100

I will be attending the live seminar. I need special accommodations. Please contact me.

Registration

Complete the entire form. Attach required documentation.

How to Register

Online: www.halfmoonseminars.org

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Additional Learning

Webinar Series

HEC-RAS Webinar Series

• Hydraulic Principles and Applications
  Tues., April 2, 2019, 11:00 AM - 1:00 PM PDT
• Working with the HEC-RAS User Interface
  Tues., April 2, 2019, 1:30 - 3:00 PM PDT
• Water Surface Profiling
  Wed., April 3, 2019, 11:00 AM - 1:00 PM PDT
• Steady Flow Surface Profile Demonstrations
  Wed., April 3, 2019, 1:30 - 3:00 PM PDT

Wood Construction

• Design Specifications, Building Codes and Design Values
  Thurs., April 4, 2019, 11:00 AM - 12:30 PM PDT
• Structural Sawn Lumber, Composite Lumber and Laminated Timber
  Thurs., April 4, 2019, 1:00 - 2:30 PM PDT
• Prefabricated Wood I-Joists Trusses
  Fri., April 5, 2019, 11:00 AM - 12:30 PM PDT
• Connectors and Fire Protection Design
  Fri., April 5, 2019, 1:00 - 2:30 PM PDT

Slope Repair Techniques

Fri., April 26, 2019, 11:00 AM - 12:30 PM CDT

Retaining Structures

Fri., April 26, 2019, 1:00 - 2:30 PM CDT

Water Surface Profiling

Fri., April 26, 2019, 1:00 - 2:30 PM CDT

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Tuition

$289 for individual registration
$269 for three or more simultaneous registrations.

Continuing Education Credit Information

This seminar is open to the public and offers a 7.0 hour continuing education opportunity to professionals and 7.0 HSW continuing education hours to architects (non-credit in California) in all states with continuing education requirements. Continuing education is not required for engineer license maintenance or renewal in California. The subject matter of this seminar does not contain accessibility content for California architects.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. 1885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE17100505), Maryland, New Jersey (Approval No. 24G000007001), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

The International Code Council has approved this event for .7 CEUs in the specialty area of Building.

The seminar does not contain accessibility content for California architects.

Attendees 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

Seismic Design of Buildings: Importance of Seismic Ground Motions
Irvine, CA - Friday, May 17, 2019

How to Register

Online: www.halfmoonseminars.org

Phone: 715-835-5900

Fax: 715-835-6066

Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.