

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

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.

Seismic Design of Buildings

Santa Barbara, CA - Wednesday, December 19, 2018

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PO Box 278
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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.

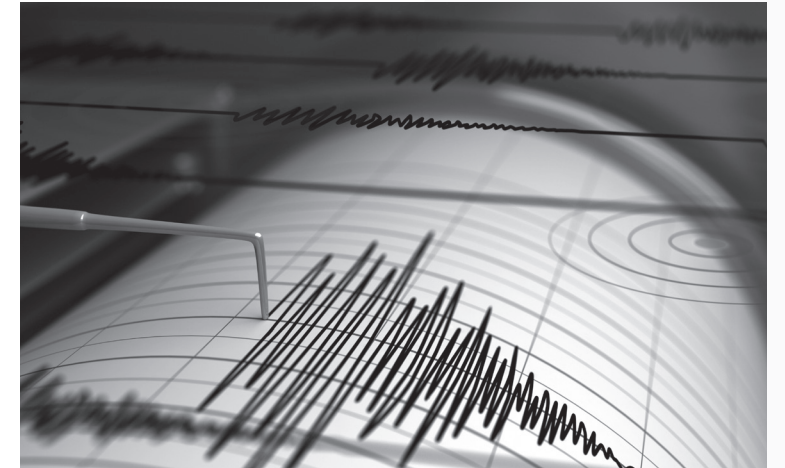
Discuss selection and modification of time histories for seismic design.

Review soil structure interaction for seismic design.



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Discuss selection and modification of time histories for seismic design

Review soil structure interaction for seismic design

Continuing Education Credits

Professional Engineers & Geologists
7.0 PDHs

Architects
7.0 Continuing Ed. Hours*
7.0 AIA HSW Learning Units

International Code Council
.7 CEUs (Building)

Contractors
Non-Credit Continuing Ed.

*Non-Credit in California



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Faculty

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

Principal Geotechnical Engineer, RMA 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 systems, nuclear facilities, transportation systems, high-rise buildings, energy systems, schools, hospitals, and commercial and industrial facilities. 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 a part-time faculty member in the graduate school of San Diego State University and University of California San Diego Extension. He is the president and founder of the Earthquake Engineering Research Institute (EERI) San Diego Chapter, a California seismic safety commissioner, and honorary chair of the ASCE Geo-Institute San Diego Chapter. Mr. Meneses is a 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) committees, a member of the Industry Advisory Board for the 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).

Seminar Information

Hyatt Centric Santa Barbara 1111 East Cabrillo Blvd. Santa Barbara, CA 93103 (805) 882-1234	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 - 5:00 pm
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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 (CDT), 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.

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Additional Learning

Webinar Series

Cogeneration System Principles and Practice

- **Understanding the Benefits of Cogeneration**
Thurs., Nov. 8, 2018, 11:00 AM - 12:30 PM CST
- **Laws, Regulations and Building Codes Impacting Cogeneration**
Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CST
- **Examining Cogeneration Technologies**
Fri., Nov. 9, 2018, 11:00 AM - 12:30 PM CST
- **Moving to Cogeneration: Analysis, Modeling and Case Studies**
Fri., Nov. 9, 2018, 1:00 - 2:30 PM CST

Shallow Foundation Design and Construction

- **Evaluating Building Sites**
Wed., Nov. 14, 2018, 11:00 AM - 12:30 PM CST
- **Shallow Foundation Design**
Wed., Nov. 14, 2018, 1:00 - 2:30 PM CST
- **Special Considerations in Foundation Design and Construction**
Thurs., Nov. 15, 2018, 11:00 AM - 12:30 PM CST
- **Soil Improvement and Foundation Diagnosis and Repair**
Thurs., Nov. 15, 2018, 1:00 - 2:30 PM CST

Roadway Design

- **Roadway Design**
Thurs., Nov. 29, 2018, 11:00 AM - 12:30 PM CST
- **Roadway Design Process**
Thurs., Nov. 29, 2018, 1:00 - 2:00 PM CST
- **Typical Roadway Sections and Alignment**
Fri., Nov. 30, 2018, 11:00 AM - 1:30 PM CST
- **Intersections, Drainage and Pedestrian-Bicycle Facilities**
Fri., Nov. 30, 2018, 2:00 - 3:30 PM CST

Residential Energy Code

- **Introduction to the Residential Energy Code and Mandatory Requirements**
Thurs., Dec. 6, 2018, 11:00 AM - 12:30 PM CST
- **IECC Residential Building Envelope Requirements**
Thurs., Dec. 6, 2018, 1:00 - 2:30 PM CST
- **IECC Residential HVAC Requirements**
Fri., Dec. 7, 2018, 11:00 AM - 12:30 PM CST
- **International Energy Conservation Permit Pathways**
Fri., Dec. 7, 2018, 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 non-credit continuing education hours to architects (HSW) and 7.0 continuing education hours to professional engineers and geologists in California. This activity does not qualify for California architect continuing education requirement in Accessibility. Continuing education is not mandatory for engineer license maintenance in California. This course will qualify for architect and engineer continuing education credit in all other states, except for Florida architects.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). 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. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), 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 activity for .7 CEUs in the specialty area of Building.

This course also offers a non-credit continuing education opportunity to construction contractors. Credit approval is not being sought in any state with a contractor continuing education requirement.

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.

Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____
	Company/Firm: _____
	Address: _____
	City: _____ State: _____ Zip _____
Phone: 715-835-5900	Occupation: _____
	Email: _____
	Phone: _____
Fax: 715-835-6066	Additional Registrants:
	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
Complete the entire form. Attach duplicates if necessary.	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.

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.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

Email: _____