Agenda

Seismic Design and Construction
Boise, ID - Wednesday, May 27, 2020

You’ll be able to:

Describe earthquake characteristics, and consider the effects of soil conditions.

Explain the modern philosophy of seismic design.

Describe the performance objectives of U.S. Seismic Codes.

Understand and comply with the seismic design provisions of ASCE 7.

Identify material-specific seismic provisions in the International Building Code.

Consider guidance from the American Institute of Steel Construction and the American Concrete Institute.

Learning Objectives

Seismology and Earthquake Actions
Earthquake characteristics Effects of soil conditions
Western, central, and eastern U.S. seismicity

Structural Dynamics and Response
Ground motions and structural response
Response spectra
Damping
Modal superposition analysis

Modern Philosophy of Seismic Design
Seismic design objectives Plastic response and ductility
Proportioning

U.S. Seismic Codes
History
Performance objectives
Hazard levels

ASCE 7 Seismic Design
Mapped spectral response
Design response spectrum
Seismic design category and design factors
Seismic force resisting systems
Estimating period
Structural irregularities
Equivalent lateral force procedure
Load combinations, overstrength, redundancy
Diaphragms and shear walls
Deflection limitations

Material-Specific Seismic Force Resisting Systems
International Building Code (IBC) provisions
American Institute of Steel Construction (AISC 360) provisions
American Concrete Institute for Structural Concrete (ACI 318) provisions
American Concrete Institute for Masonry Structures (ACI 530) provisions

Presented by Eugene Brislin, Jr., P.E.,
Seismology and Earthquake Actions
Earthquake characteristics Effects of soil conditions
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Enjoy HalfMoon Education’s flexible scheduling and different program delivery options! In the event of health concerns, program may be offered as a live webinar or be rescheduled, and will also be available as an on-demand course.
Seminar Information

Holiday Inn Express
3050 South Shoshone
Boise, ID 83705
(208) 342-4322

Package. You may also send another person to take your place. You may also receive a credit toward another seminar or the self-study package. You may also receive a full tuition refund, minus a $39 service fee, if you cancel at least 48 hours before the start of the seminar. For availability and job opportunity to construction contractors. It has not been approved by any contractor licensing board with a continuing education requirement. This program also offers a non-mandatory continuing education opportunity to construction contractors. It has not been approved by any contractor licensing board with a continuing education requirement. Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire form. Attach duplicates if necessary. Only full attendance is reportable to AIA/CES.

Additional Learning

Webinar Series

Compliance with the 2018 International Building Code

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<tr>
<th>Day</th>
<th>Time</th>
<th>Description</th>
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<tbody>
<tr>
<td>Wed., April 8</td>
<td>1:30 - 3:30 PM</td>
<td>Distributed Batteries for Solar PV Systems, Part I</td>
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<tr>
<td>Wed., April 8</td>
<td>11:00 AM - 1:00 PM</td>
<td>Distributed Batteries for Solar PV Systems, Part II</td>
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<td>Thurs., April 9</td>
<td>10:00 AM - 12:30 PM PDH</td>
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Tuition

$279 for individual registration
$297 for three or more registrations.

Included with your registration: Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of $101 for New York engineers and architects. Tuition starting at $279. See registration panel for more information.

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 $279. 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.

Registration

Seismic Design and Construction
Boise, ID - Wednesday, May 27, 2020

How to Register

Online: www.halfmoonseminars.org
Phone: 715-835-5900
Fax: 715-835-6066
Code: 2018 International Building Code

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Tree Science

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