

LOCATIONS AND ACCOMMODATIONS

Hotel Reservations must be made 4 weeks prior to the seminar. Rates apply only the day before and the last day of the seminar.

CINCINNATI, OH/OCTOBER 29-30, 2009

Millennium Hotel Cincinnati
150 West 5th Street
Cincinnati, OH 45202
513-352-2120
ASCE Hotel Rate: \$119 Single/Double

DALLAS, TX/DECEMBER 3-4, 2009

Embassy Suites Hotel Dallas Love Field
3880 West Northwest Hwy
Dallas, TX 75220
214-357-4500
ASCE Hotel Rate: \$149 Single/Double

FT. LAUDERDALE, FL/FEBRUARY 11-12, 2010

Ocean Sky Hotel & Resort
4060 Galt Ocean Drive
Ft. Lauderdale, FL 33308
954-565-6611
ASCE Hotel Rate: \$159 Single/Double

PHILADELPHIA, PA/MARCH 18-19, 2010

Embassy Suites Hotel Center City
1776 Benjamin Franklin Parkway
Philadelphia, PA 19103
215-561-1776
ASCE Hotel Rate: \$169 Single/Double

Send a Team and Save 10%

Register three or more from one organization for the same seminar/date/location and **save 10%** on each seminar registration. Registrations must be made at the same time to receive this discount. Discount registrations cannot be done online. They must be faxed to 703-295-6144.



ONLINE COURSES

ASCE offers online courses on a variety of technical and management topics, as well as courses on DVD and CD. For a complete listing of these courses or to register, please go to <http://store.asce.org/view>. ASCE members receive discounts of 15% or more on most online courses. Volume discounts available.

CEUS/PDHS

ASCE has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102. In addition, ASCE follows NCEES guidelines on continuing professional competency. Since continuing education requirements for P.E. license renewal vary from state to state, ASCE strongly recommends that individuals regularly check with their state registration board(s) on their specific continuing education requirements that affect P.E. licensure and the ability to renew licensure. For details on your state's requirements, please go to: http://www.ncees.org/licensure/licensing_boards/.

SEMINARS

Confirmation Letter and Time/Location: All seminar registrations will be confirmed by email within one week of receiving your registration. Seminar time, location and hotel information will be included with your confirmation letter. Seminar fees include all course materials. Fees do not include hotel accommodations or meals. Hotel reservations should be made early as discounted rates are subject to cut-off dates.

Instructor Substitution: ASCE reserves the right to substitute an equally-qualified instructor for any seminar should unforeseen circumstances arise.

Cancellations: Cancellations must be made in writing via email or fax and must include registrant's name, confirmation # and name/date of the seminar. If you cancel 7 business days or less prior to the seminar start date, no refund/credit/personal transfers will be issued. You may transfer your registration to another registrant with no penalty up until the day of the seminar.* No credits/ refunds/personal transfers will be issued for no shows. If ASCE must cancel a seminar due to insufficient enrollment, your registration fee will be refunded in full. ASCE is not responsible for non-refundable expenses such as airfare, hotels, transfer fees, or any other expenses associated with a cancellation.

**Price differential will be charged if a non-member is replacing a member. Transfer may only be used one time, no multiple transfers allowed.*

CEUs/Certificates: One (1.0) CEU equals ten contact hours of instruction. A CEU certificate will be issued to each person who successfully completes a seminar and a permanent record will remain on file with ASCE. One (1.0) Continuing Education Unit (CEU) = Ten (10) Professional Development Hours.

Send a Team and Save: Register three or more from one organization for the same seminar/date/location and save 10% on each seminar registration. Registrations must be made at the same time to receive this discount.

On-Site Registration: Registration is available on-site at the seminar; however, we cannot guarantee that course materials will be available that day. Course notes and other materials will be mailed to you approximately four weeks after the seminar. Please be sure to contact ASCE no later than the day before the seminar to confirm that the seminar will be held as planned.

Dress: Casual business attire is appropriate for all seminars.

Discounted Airfares: Use American Airlines and save money on airfares when traveling to ASCE Seminars. Call American Airlines at 1-800-433-1790 and refer to ID number A1319SS, 7 days a week from 7:00 AM to 12:00 midnight Eastern Time. If you wish to use a travel agency, you must tell your agent to book your reservation under the above ID number to receive your discount.

Rental Cars: Special rates are available with Enterprise Rent-A-Car. Visit www.enterprise.com or call 1-800-736-8222 to make a reservation. Please use Code 16VCS73 and Password ASC to obtain your discounted rates.

Membership: Go to www.asce.org to join ASCE and save on future continuing education opportunities. Enter 09CEFCAT in the promotion code section of the membership application.

DISTANCE LEARNING COURSES

Return Policy: If you are not completely satisfied with your product purchase, return it undamaged within 14 days for an exchange or credit to your ASCE account. If your return is not due to our error, we will deduct the shipping costs from your credit. Returns are accepted at the warehouse only. Please refer to your packing list or call ASCE for the address.

CEUs/Exams: CEUs will only be granted to the person who originally ordered the product. Additional exams are available for some courses for a fee of \$50 each. Exams must be taken within one year of receipt of course. A passing score of 70% or higher is required to receive CEUs. Exams may be retaken up to three times without additional charge.

Fulfillment/Shipping: Orders are processed within 24 hours of receipt. All products are sent via UPS Ground unless otherwise requested.

Online Courses: Log-in and Password information is sent to the email address provided with the order within 24 hours of receipt. All online courses expire one year after receipt of log-in and password. All materials will be accessed online. No course material will be shipped.



1801 Alexander Bell Drive
Reston, Virginia 20191-4400

Wind Loads for Buildings and Other Structures



For faster and immediate registration register online! Go to: www.asce.org/conted/seminars

ASCE Individual Member # _____

(ASCE membership numbers are NOT TRANSFERABLE within any given company) **PE:** Yes No **PhD:** Yes No

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Name (exactly as it appears on card): _____

If faxing, a copy of check or purchase order is required.

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(in the box, right of mail label)

910BR39

Locations Please check one

Cincinnati, OH/October 29-30, 2009 71402010

Dallas, TX/December 3-4, 2009 71412010

Ft. Lauderdale, FL/February 11-12, 2010 71422010

Philadelphia, PA/March 18-19, 2010 71432010

Fees Please check one

A copy of your check or PO is required when faxing your registration

\$1,175 Member \$1,395 Non-Member

ASCE Distance Learning

Designing Aluminum Structures (B45)

\$539 Member \$639 Non-Member

Leadership Development Online (B44)

\$495 Member \$595 Non-Member

Wind Loads Online Course (V02)

\$449 Member \$549 Non-Member

Wind Loads Web Seminars-on-CD (V57)

\$225 Member \$425 Non-Member

(add \$6.95 for shipping first item, \$2.50 each additional item)*

*additional cost outside the USA and for overnight delivery.

How to reach us:

Mail: ASCE Continuing Education Dept.
P.O. Box 79162
Baltimore, MD 21279-0162

Phone: 1-800-548-2723
703-295-6300 (international)

Fax: 703-295-6144

Email: seminars@asce.org

Mail-FAX entire back panel with registration info



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WIND LOADS FOR BUILDINGS AND OTHER STRUCTURES

Cincinnati, OH / October 29-30, 2009

Dallas, TX / December 3-4, 2009

Ft. Lauderdale, FL / February 11-12, 2010

Philadelphia, PA / March 18-19, 2010

"This seminar was excellent. Every engineer should attend!"

- Kishor Mehta, President, Restl Designers, Inc., Gaithersburg, MD

"The instructor was very knowledgeable and personable. This seminar offered an excellent balance of theory, code application, examples and beyond the code issues."

- Scott Bush, Structural Engineer, Borton-Lawson, Bethlehem, PA

"The knowledge of the instructors and the interaction with the class took this seminar from very good to great! This curriculum is directly applicable to the real world."

- Lloyd Chalker, Weyerhaeuser, Charlotte, NC

"This is the most beneficial course I have ever taken. It takes a complex issue and transforms the design process into something much less intimidating."

- Kevin Kirkland, Sinclair & Associates, LLC, Greenville, SC

"Jon is an outstanding instructor! This was a concise seminar on a very complex subject that was brought down to a workable level."

- Stephen Hoffman, Engineer, Hoffman Engineering, Paragon, IN



This is an ASCE Continuing Education Course
NOT JUNK MAIL. If you don't need CEU's
please pass this on to someone who does.

1.4 CEUs

WIND LOADS FOR BUILDINGS AND OTHER STRUCTURES

PURPOSE AND BACKGROUND

In recent years the migration of people to the hurricane-prone coastline, general increase in the urban sprawl in the middle of the country, and the development of new high-tech, lightweight, building materials have increased the incidence of building disasters, and wind damage. Hurricanes Andrew (1992), Iniki (1992), Hugo (1989), four hurricanes of 2004, hurricanes Katrina, Rita and Wilma of 2005 and the Kansas-Oklahoma tornado outbreaks (1999 & 2003) were catastrophic demonstrations of the increasing vulnerability of buildings and other structures (tanks, signs, towers, etc.) to severe wind storms. Wind induced property losses now annually exceed the sum of all other losses from natural hazards.

This seminar addresses wind effects, provides guidelines for assessing design wind loads for buildings and other structures, and offers a discussion of the advantages of wind tunnel testing. This seminar is based on the ASCE publications "Minimum Design Loads for Buildings and Other Structures (ASCE 7)" and "Guide to the Use of the Wind Load Provisions." While much of the instruction focuses on assessing wind loads, a portion of the seminar is directed to review wind damage experience of the past thirty years and lessons learned from the experience.

DAY ONE of this seminar is devoted to a comprehensive review of basic wind engineering fundamentals and the background of the wind load provisions of the national standard, ASCE 7-05.

DAY TWO focuses on the application of national standard ASCE 7-05 with hands-on experience gained by working through a number of examples utilizing provisions of ASCE 7-05. A portion of the day includes going beyond the standards, with discussion of the determination of site specific wind speed, and wind tunnel testing.

The fundamental goals of the seminar are:

- To give you engineering understanding of wind, structural dynamics, and wind effects on buildings and structures
- To describe how ASCE 7-05 interprets and incorporates the fundamentals of wind engineering in the document
- To allow you to use provisions of ASCE 7-05 with correct interpretation to assess wind loads on buildings and structures

By attending this seminar you will:

- Gain an in-depth understanding of ASCE 7-05 wind load provisions and wind effects on buildings and other structures
- Discuss interpretations and limitations of key provisions of ASCE 7-05
- Have an opportunity to ask questions and discuss solutions with an expert who has over 35 years of experience dealing with wind effects
- Interact with participants from across the country to share knowledge of wind resistant design

SEMINAR BENEFITS

- Get comprehensive guidelines for assessing wind loads to be used in the design of buildings and other structures
- Review basic concepts of wind engineering (aerodynamics and structural dynamics)
- Learn how to identify a wind design problem
- Find out how wind damages buildings and ensure wind resistant construction
- Learn about wind tunnel testing and the interpretation of results
- Examine the provisions of ASCE 7-05
- Learn how to review wind speed data
- Use case studies to examine past performances of low, medium, and high-rise buildings in severe storms

SAVE 10% Send three or more from the same organization for the same seminar and Save 10% on each enrollment

LEARNING OUTCOMES

- Understand the fundamentals of wind engineering
- Learn how ASCE 7-05 interprets and incorporates those fundamentals of wind engineering
- Be able to calculate wind loads on buildings
- Learn relationship of ASCE 7 to IBC

ASSESSMENT OF LEARNING OUTCOMES

Students' achievement of the learning outcomes will be assessed through the development of example calculations in Sessions 6 and 7.

WHO SHOULD ATTEND?

Engineers, Architects, Building Officials, and others involved with the design, construction, operation and maintenance of buildings and other structures.

SPECIAL FEATURES

All attendees will receive a copy of the ASCE 7-05 "A Guide to the Use of Wind Load Provisions of ASCE 7-02" and a set of seminar notes.

SEMINAR INSTRUCTOR

JON D. RAGGETT, PH.D., P.E., S.E., M.ASCE, President, West Wind Laboratory, Inc., received a BSE from Princeton University in 1966, a MS from Stanford University in 1967 and a PhD from Princeton University in 1971, all from departments of civil engineering. His PhD thesis subject was the aeroelastic flutter vibrations of long-span bridges. He is a member of the honor societies Phi Beta Kappa, Sigma Xi, and Tau Beta Pi. He is a registered Structural Engineer in California and Washington, and registered Professional Engineer in Colorado, Ohio, and Florida.

From 1978 to 1997 he was president of J. D. Raggett and Associates, Inc., a structural engineering design and aerodynamics firm. From 1988 to the present he has been president of West Wind Laboratory, Inc., a wind engineering laboratory. He has been on the faculty of the engineering school at the University of Santa Clara from 1974 to 1978. He has been an adjunct professor in the Department of Mechanical Engineering of the Naval Postgraduate School from 1992 to the present and is part of the faculty team that is developing an online, distance learning, M. S. curriculum. He is also a director of DERI, a non-profit organization that designs and builds schools in developing countries.

In-House Presentations

Let us come to you.

ASCE seminars can be:

- Presented at your organization
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 - Tailored to the needs of your staff
- An on-site program can reduce the per person cost by more than 25% and your total training cost by 50%



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Live Interactive Webinars -

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Summary Outline

TIME: 8:30am – 4:30pm

DAY ONE

Wind Engineering Concepts Wind Characteristics

Historical wind speed data
Engineering description of the wind
Fundamentals of aerodynamics
Fundamentals of structural dynamics
Practical knowledge about hurricanes and tornadoes

Wind Loading Provisions of ASCE 7-05

Code Provisions
General format
Basic wind speed
Importance factor
Velocity pressure
Gust effect factors
Pressure/force coefficients
Separation of load effects into main wind force resisting system (MWFRS) and components and cladding (C&C)
Zoning and edge strips – why are they necessary?
Limitations in application of standard

DAY TWO

Application of the wind load provisions

Examples of wind loads
Low rise buildings
Medium rise buildings
Topographical effects

Wind Tunnel Tests

Boundary-layer and aerodynamic wind tunnels
Factors affecting decisions to conduct wind tunnel tests
Information obtained from wind tunnel tests
Use of results in standard provisions

Other Codes and Standards

New International Building Code
Deem-to-comply standards
Use of Foreign codes and standards

ASCE DISTANCE LEARNING

DESIGNING ALUMINUM STRUCTURES - ONLINE COURSE

This online version of ASCE's seminar "Designing Aluminum Structures" will bring you up to speed with aluminum so that you can design with it as confidently as you would in steel or concrete. The course covers the types of structures aluminum is best suited for, aluminum product forms, the Aluminum Association's alloy and temper designation systems, the mechanical properties of aluminum, protecting against corrosion, tension members, local buckling, columns, beams, fatigue, welded, bolted, and screwed connections, and the effect of welding on member strength. 9 hours.

0.9 CEUs

Newly Updated!

LEADERSHIP DEVELOPMENT FOR THE ENGINEER - ONLINE COURSE

As we advance into the 21st century, the engineer manager must not only be technically competent, but must also possess the leadership skills to move an organization forward and to advance his/her career. This course will help you develop or expand your leadership skills. You will learn how to: successfully lead an organization or department; understand yourself and your staff, including generational differences; apply a leadership style which is appropriate to the situation; apply systematic decision-making processes while considering the critical role of intuition; lead change while maintaining motivation; apply the "art" of leadership or the "discipline" of management; effectively communicate and provide feedback considering the differences in the way men and women communicate; and form and lead effective teams. The course also includes one hour of ethics training. 9 hours.

0.9 CEUs

WIND LOADS - ONLINE COURSE

An online version of the Wind Loads seminar. Topics include wind effects (e.g., Bernoulli's equation), patterns over buildings, and effects of roof geometry), basic design wind speed, design wind loads, how to use the ASCE standard (plus three worked solutions), frequently asked questions, other codes, and where to get further information. After completing the course, you will have a thorough understanding of the main concepts of wind effects, and be able to use the standard to calculate wind loads for any structure. 9 hours.

9.0 PDHs

WIND LOADS - WEB SEMINAR-ON-CD

Presented in this four part series of one-hour web seminars is an overview of the provisions, examples problems, and a look behind the equations that will increase your intuition about how to properly apply the provisions. The series is designed for engineers, architects and building officials who need to understand the latest requirements in wind loads. The newest building codes (IBC, NFPA, and Florida) reference the wind provisions of ASCE 7 Standard - Minimum Design Loads for Buildings and Other Structures. 4 hours.

0.4 CEUs