



# SEMINAR ANNOUNCEMENT

THE SAN DIEGO AREA CHAPTER OF ICC &  
THE STRUCTURAL ENGINEERS ASSOC. OF SAN DIEGO  
ARE SPONSORING A ONE-DAY SEMINAR ON:



## *AWC 107 - WOOD DESIGN*

- Date:** Tuesday, June 13, 2006
- Time:** Registration 7:30 am to 8:30 am  
Class time 8:00 am to 4:30 pm  
Lunch 12:00 pm to 1:00 pm (Lunch Provided)
- Location:** City of San Diego Development Services Dept.  
1<sup>st</sup> Floor Auditorium  
9601 Ridgehaven Court  
San Diego, CA 92123
- Cost (Incl. Lunch):**
- \$100 for Members of ICC and SEAOSD
  - \$120 for Nonmembers
- CEUs:** 0.7

Participants in this seminar will learn about new developments including new provisions for the *2001* and *2005 NDS® for Wood Construction*, and the *Wood Frame Construction Manual 2001 National Edition* and how to apply them. Attendees will also be able to apply connection design philosophies, detailing and code provisions, and learn about engineered wood products and other subjects

Participants are encouraged to bring the 2001 NDS, and 2001 Wood Frame Construction manual

If you have any questions or need special accommodations,  
please contact: Steve Jones at 760-435-3937

Attached: Registration Form  
Seminar Outline

# ICC SAN DIEGO CHAPTER REGISTRATION FORM

Jurisdiction/Firm: \_\_\_\_\_ Registrant's Name: \_\_\_\_\_

Registrant's Name: \_\_\_\_\_ Registrant's Name: \_\_\_\_\_

Registrant's Name: \_\_\_\_\_ Registrant's Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

e-mail: \_\_\_\_\_

Class Name: AWC 107 – WOOD DESIGN SEMINAR Date(s): JUNE 13, 2006

Registration Fees: Members \_\_\_\_\_ x \$100 = \_\_\_\_\_  ICC Chapter Member  SEAOSD Member  
Non-members \_\_\_\_\_ x \$120 = \_\_\_\_\_ Total = \_\_\_\_\_

**Registration DEADLINE May 31, 2006.**

**Make checks payable to: ICC San Diego Area Chapter. Mail Registration Form and check to:  
Steve Jones, City of Oceanside, 300 N Coast HWY, Oceanside CA 92054, Phone: 760-435-3937**

## Map for ICC San Diego

*AWC 107 – Wood Design seminar*

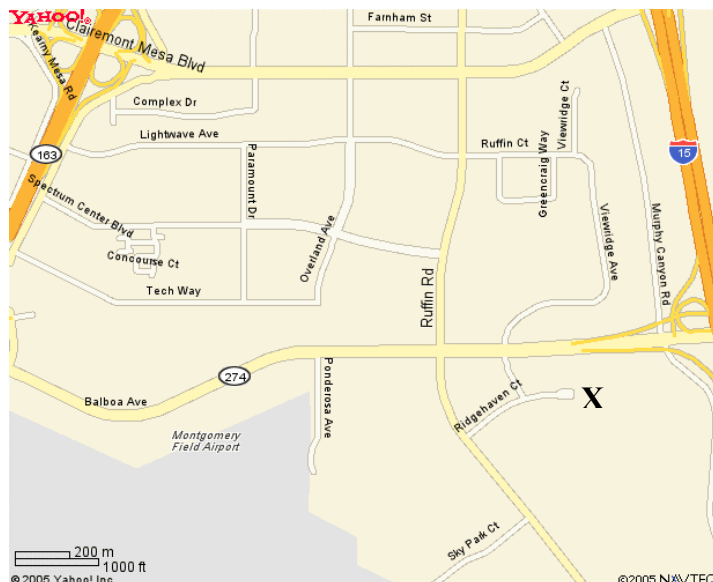
June 13, 2006

City of San Diego Development Services Dept.

1<sup>st</sup> Floor Auditorium

9601 Ridgehaven Court

San Diego, CA 92123





# Seminar Outline

American Wood Council *Engineered and Traditional Wood Products*

A M E R I C A N F O R E S T & P A P E R A S S O C I A T I O N

## AWC107 WOOD DESIGN SEMINAR – 7 hr

The American Wood Council is the industry leader in development of standards for wood design. Participants in this seminar will learn about new developments including new provisions for the *2001* and *2005 NDS® for Wood Construction*, and the *Wood Frame Construction Manual 2001 National Edition* and how to apply them. Attendees will also be able to apply connection design philosophies, detailing and code provisions, and learn about engineered wood products and other subjects to round out a full 7-hour day of training.

This seminar is primarily designed for structural engineers, and building officials; however, designers, including architects will benefit from the information, including AIA learning units in the area of health, safety and welfare. 0.7 CEUs will be awarded for this program (7.0 contact hours).

A comprehensive seminar kit with CD of free design information and course notes, and CEU certificate will be provided to participants. Attendees are also encouraged to bring the *2001 NDS*, and *2001 Wood Frame Construction Manual*. Special discounts for purchasing these publications are available to those attending the seminar.

The outline for this Wood Design Seminar is as follows:

8:00 – 9:15am 1.25 hrs	<p><b><i>Designing with the National Design Specification® 2001 for Wood Construction (NDS)</i></b></p> <ul style="list-style-type: none"> <li>The NDS for Wood Construction 2001 contains many changes from the 1997 edition which are summarized in this segment. Significant changes include new product chapters on prefabricated wood I-joists, structural composite lumber, wood structural panels, and poles, shear walls and diaphragms, and fire design; and a new appendix for local stresses in members at connections. This segment also covers revised provisions for: shear design (coinciding with increased shear design values) and notching, end grain bearing, volume factors, connections and connection tables.</li> </ul>
9:15 – 9:30am	Morning Break
9:30am – 10:45am 1.25 hrs	<p><b><i>Engineered Wood Products</i></b></p> <ul style="list-style-type: none"> <li>Introduction to the ever-growing family of engineered wood products (EWP). Products covered are lumber, glued-laminated timber (glulam), structural composite lumber, wood I-joists, plywood and oriented-strand board. The standards that form the basis for the manufacture and the development of design stresses for each product are discussed. Unique characteristics for each product are highlighted and extensive examples of the use of these products in a wide range of building applications are presented.</li> </ul>
10:45 – 12:00pm 1.25 hrs	<p><b><i>ASD and LRFD with the 2005 National Design Specification® for Wood Construction</i></b></p> <ul style="list-style-type: none"> <li>The NDS® for Wood Construction 2005 is a dual format ASD and LRFD document with some enhancements from the 2001 version. Learn about the format of the new document and how to apply its ASD and LRFD design provisions to wood construction through worked examples.</li> </ul>
12:00 – 1:00pm	Lunch
1:00 – 1:15pm 0.25 hrs	<p><b><i>ASD and LRFD with the 2005 National Design Specification® for Wood Construction</i></b></p> <ul style="list-style-type: none"> <li>continued</li> </ul>
1:15 – 2:45pm 1.5 hrs	<p><b><i>The Wood Connection Session</i></b></p> <ul style="list-style-type: none"> <li>This session presents current wood connection design philosophy, behavior, serviceability issues, and connection design techniques for small and large wood members, panel products, and wood assemblies, using dowel-type and specialized components. Glued connections will also be discussed along with a brief introduction to connection design software.</li> </ul>
2:45 – 3:00pm	Afternoon Break

<p><b>3:00 – 4:30pm</b></p> <p>1.5 hrs</p>	<p><b>Wood Frame Construction Manual 2001 Edition</b></p> <ul style="list-style-type: none"> <li>Apply provisions for designing wood frame structures for high wind, seismic, and snow loads based on the <i>2001 Wood Frame Construction Manual (WFCM) for One- and Two-Family Dwellings, 2001 National Edition</i>. Learn about engineered and prescriptive provisions for the design of these structures, including structural behavior overviews.</li> </ul>
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Presenters:

**Robert J. Taylor, PhD, P.Eng., MASCE, Assoc.AIA**  
**Director, Technology Transfer**

Dr. Taylor joined the AF&PA as Director, Technology Transfer, coming from his former position as Professor of Structures at the School of Architecture, Montana State University, Bozeman. He holds degrees from Ryerson Polytechnical University, Queen's University, and the University of British Columbia, Canada, majoring in structural/civil engineering and architecture. A licensed professional engineer in his native Canada, he has accumulated over 25 years of experience in academia, industry, and government in highway and building design, consulting, forensics, research, teaching, and administrative capacities. He has produced many writings and designed many small/medium scale building projects in Canada, USA, Japan, and Korea. His passion for building design has always been in developing innovative ways to use wood towards a holistic design result both at the macro and micro scale. A family man, Robert enjoys playing blues guitar with his sons.

**David P. Tyree, P.E., C.B.O.**  
**Southwest Regional Manager**

Mr. Tyree received a Bachelor of Science degree in civil engineering from the University of Colorado, and is a licensed professional engineer in California, Colorado and Wyoming. Prior to joining AF&PA, Mr. Tyree was a building official and code consultant for 14 years in Colorado where he was President of the ICBO Colorado Chapter in 1983. He was certified by ICBO in all thirteen inspection disciplines prior to his acceptance of a position with the wood industry, and is certified by the Council of American Building Officials as a building official. Mr. Tyree currently holds 8 different International Code Council inspection certifications. Mr. Tyree served on the ICBO General Design Code Development Committee from 1978 - 1980 and the ICBO Fire Risk Assessment Code Development Committee from 1987 - 1989. From 1989 - 1990, Mr. Tyree chaired the Fire Risk Assessment Code Development Committee. Mr. Tyree served on the ICC Structural Committee from 2003-2005. From 2001-2005, Mr. Tyree served on three National Fire Protection Association Technical Committee's, Structures and Construction, Materials and Fire Protection Features. In May 2004 he was appointed to National Fire Protection Association Urban Wildland Interface Committee. (NFPA 1144)

Mr. Tyree is a member of the Society of Fire Protection Engineers, the National Fire Protection Association, the Building Seismic Safety Council, the Structural Engineers Association of California, the Earthquake Engineering Research Institute, National Council of Structural Engineer Association, and the International Code Council.