

SEMINAR DESCRIPTION AND SPEAKER BIOGRAPHIES

Wood design using the 2006 IBC/ 2007 CBC will include some notable changes from the current 1997 UBC/ 2003 CBC, including:

- Design loads and load combinations will be governed by the IBC and ASCE 7-05.
- Capacities of wood members and connections will be governed by the 2005 edition NDS, which now uses an ASD/LRFD dual format.
- Wind and seismic design provisions are permitted to use either provisions of the IBC Chapter 23 or the AF&PA Wind and Seismic Supplement to the 2005 NDS

TRANSITIONING FROM THE 1997 UBC TO THE 2006 IBC

Ms. Kelly Cobeen will focus on the transition from Chapter 23 in the 1997 UCB to Chapter 23 in the 2006 IBC. Provisions from other code chapters related to wood light-framed construction will be discussed. California amendments to the IBC, applicable standard occupancy structures, schools (under DSA), and health care facilities (under OSHPD) will also be discussed.

Kelly E. Cobeen, president of Cobeen & Associates, has over 20 years experience in building structural design, including a wide variety of project types, sizes, and construction materials. Kelly has bachelors and masters degrees in Civil Engineering from the University of California, Berkeley and is a registered civil and structural engineer in California. Through significant involvement in research and building code, standard, and resource document development, she has developed a specialty in seismic resistance of wood frame construction, applicable to new construction and evaluation and rehabilitation of existing buildings. Kelly is the co-author of three editions of the Design of Wood Structures textbook, and was a manager of the Codes and Standards element of the recently completed CUREE-Caltech Wood frame Project, investigating earthquake performance of wood frame structures. Kelly's current projects include design for new construction, seismic retrofit of existing structures, insurance investigations, and updating documents addressing seismic resistant design.

TRANSITIONING FROM THE 1991 NDS TO THE 2005 NDS: Mr. Pollock will discuss the design of wood members and connections using the 2005 NDS. In particular, a new design value (E_{min}) has been introduced and the design formulas for beam buckling, column buckling, and connection capacities have been revised since the 1991 NDS was published. New provisions for multiple bolt connections were also introduced in Appendix E of the 2001 NDS. Finally, the dual ASD/ LRFD format of the 2005 NDS will also be addressed.

David G. Pollock is a professor in the Civil & Environmental Engineering Department at Washington State University (WSU). He teaches structural engineering courses and conducts research regarding connection behavior and nondestructive evaluation of structural materials. Prior to joining the faculty at WSU, Dave Pollock was the Director of Engineering for the American Forest & Paper Association (formerly the National Forest Products Association). He was responsible for revising and updating the National Design Specification for Wood Construction (NDS), developing other design guidelines for wood structures, and conducting continuing education seminars for engineers and architects. His B.S. and M.S. degrees are from Virginia Tech, and he has a Ph.D. in civil engineering from Texas A&M University. He is a co-author of three Design of Wood Structures textbooks, and is a registered P.E. in Virginia.