May NCSEA Webinars

May 7, 2013

AISC’s Code of Standard Practice for Steel Buildings & Bridges

Mike West, S.E., Computerized Structural Design, S.C.

The American Institute of Steel Construction’s 2010 Code of Standard Practice sets forth trade practices in the structural steel design community and the construction industry. The current Code is the result of deliberations and the establishment of consensus among design and industry representatives on the AISC Code Committee. Although the Code applies to both buildings and bridges, this webinar will focus on buildings.

Michael West, principal at Computerized Structural Design, S.C. is the co-author of AISC Design Guide 3 Serviceability Design Considerations for Steel Buildings and AISC Design Guide 10 Erection Bracing of Low-Rise Structural Steel Frames. Mr. West is also the co-author of AISC’s Lectures Intelligent Design and Effective Design. He has lectured extensively for AISC, both at NASCC and in AISC Seminars over the last 25 years, including over twenty presentations on the 2005 Specification and Manual.

Michael West is a member of AISC’s Committees on Manuals and Textbooks and the Code of Standard Practice, as well as AISC’s Specification Technical Committee TC 13—Quality Control and Assurance, and he is Chair of AISC’s Certification Standards Committee. He also chairs the AISC-ACI Task Group on Tolerances for the Construction of Steel and Concrete Structures and the AISC-ACI Task Group on Coordination.

May 21, 2013

Abrasion and Impact Resistant Slabs

David Flax, Euclid Chemical Company

There are many obvious projects where increasing the abrasion resistance of the slab is important, such as distribution centers/warehouses, maintenance facilities, and retail with heavy traffic. There are other projects that require increased impact resistance including manufacturing, loading docks, tracked vehicle maintenance bays, mining, and solid waste transfer stations. This webinar will cover how to select and how to specify the proper dry shake surface hardener or topping system.

David Flax has a Civil Engineering Degree from RPI and over 35 years experience as a field engineer, a contractor, and a researcher with the Corps of Engineers. He has earned his CDT and CCPR from CSI, has specialized in concrete and has had dozens of articles published. He is on a number of national organization committees including the “Guide Specifications”, “Materials and Methods”, and “Repair of Construction Defects”, all with the International Concrete Repair Institute, and has spoken on these topics and others at The World of Concrete.

These courses will award 1.5 hours of continuing education. Approved for CE credit in all 50 States through the NCSEA Diamond Review Program.

Time: 10:00 AM Pacific, 11:00 AM Mountain, 12:00 PM Central, 1:00 PM Eastern. Register at www.ncsea.com.

Nominations open for NCSEA Special Awards

At the NCSEA Annual Conference each year, special awards are given to NCSEA members who have provided outstanding service and commitment to the association and to the structural engineering field.

The NCSEA Service Award is presented to an individual who has worked for the betterment of NCSEA to a degree that is beyond the norm for volunteerism. The award is given to someone who has made a clear and indisputable contribution to the organization and to the profession. The Robert Cornforth Award is presented to an individual for exceptional dedication and exemplary service to the organization and to the profession. The award is named for Robert Cornforth, a founding member of NCSEA and treasurer on its first Board of Directors, a member of OSEA, and secretary of the Oklahoma State Board of Registration for Professional Engineers and Land Surveyors. Robert Cornforth Award nominees must be submitted by NCSEA Member Organizations.

The nomination form for these awards is available at www.ncsea.com, and the deadline date for nominations is July 1. Nominations are requested for both awards; however, awards are based on worthy recipients and may not be awarded each year.

NCSEA Service Award honorees:
- 1999 Gene Corley
- 2000 Tim Slider
- 2001 Norm Scheel
- 2002 Fred Cowen
- 2004 Craig Cartwright
- 2006 Stephanie Young
- 2007 Ronald O. Hamburger
- 2008 Jon Schmidt
- 2009 Stephanie Young
- 2010 William Holmes
- 2011 Edwin T. Huston
- 2012 Ronald Milmed
- 2013 Marc S. Barter

NCSEA Cornforth Award honorees:
- 1999  Gene Corley
- 2000  Rawn Nelson
- 2001  Michael Tylk
- 2002  Craig Barnes
- 2003  Craig Barnes
- 2004  David Bonneville
- 2005  William Holmes
- 2006  Robert Johnson
- 2007  Edward T. Huston
- 2008  Wiliam L. Lavicka
- 2009  Michael Tylk
- 2010  Marc S. Barter

Nomination form available at www.ncsea.com, and deadline is July 1.

Is your MO a Diamond Review provider?

NCSEA’s Diamond Review Program was developed to set a high standard for its Diamond Review-approved, continuing education courses for structural engineers, thereby assuring acceptance of resulting continuing education credits in all 50 states.

Subsequently, NCSEA developed a Diamond Review Program for Member Organizations (MO’s) to help MO’s monitor their own continuing education courses for Diamond Review.

This program is intended for in-state MO-administration only, allowing MO members to fulfill nationwide mandatory continuing education requirements by taking Diamond Reviewed courses offered and approved by their MO’s. If you would like additional information, contact Jan Diepstra at 312-649-4600, ext. 202 or jan@ncsea.com.

Is your MO a Diamond Review provider?

NCSEA News
NCSEA publishes new book on Design of Building Systems for Serviceability

The NCSEA publications committee is proud to announce the release of its latest publication titled *Guide to the Design of Building Systems for Serviceability In Accordance with the 2012 IBC and ASCE/SEI 7-10* by Kurt D. Swensson, Ph.D., P.E., LEED AP. This guide provides practical information and design examples related to the serviceability performance of buildings in accordance with the requirements of the 2012 IBC and referenced standards. Where current codes are silent or not specific, the example problems in the book include practical discussions of selected criteria that include detailed reviews of research publications, international references, and proprietary product information.

The book focuses on detailed explanations and examples of proper application of code provisions and standards for a broad scope or materials, building systems, and building components, covering the vast majority of limit states encountered in the structural design of buildings. It is arranged to provide the reader examples for review within a total building system containing 23 specific examples of serviceability design or evaluation arranged according to seven different building types. The performance of reinforced concrete, structural steel, masonry, and timber structural systems is evaluated with respect to the desired performance of various nonstructural components. Both static and dynamic loading is considered.


**Short Courses to be offered on Serviceability Book**

In conjunction with the release of the new book, NCSEA is also offering an associated course on the new guide. The course provides an overview of the book material while examining certain topics in more detail such as related use of structural freeware and practical applications of computer modeling to serviceability design. The 4.0 hour NCSEA Diamond approved course can be provided as a stand-alone course or as part of an arranged program such as a Member Organization (MO) annual meeting. The stand-alone course is being offered for $150 to $200 per attendee which includes a copy of the new publication, a binder of course notes, and food. MOs interested in holding the course should contact NCSEA Publication Committee Chairman Timothy W. Mays, Ph.D., P.E. at timothy.mays@citadel.edu.

**The conference for practicing structural engineers**

Featuring technical and management sessions on structural engineering, including:

- **Keynote** by Bill Baker, P.E., SECB, F. ASCE, FIStructE, Structural & Civil Engineering Partner, Skidmore, Owings & Merrill
- **Serviceability** presentation based on NCSEA publication *Guide to the Design for Serviceability: In Accordance with IBC 2012 and ASCE/SEI 7-10* by author Kurt Swensson, Ph.D., P.E., LEED AP, Principal, KSI Engineers
- **ACI 550** session by Harry Gleisch, Vice President of Engineering, Metromont Corporation, and chairman of Joint ACI-ASCE 550, Precast Concrete Structures
- **ASCE 41 session**
- **Practical Design of Complex Stability Bracing Configurations** by Donald White, Ph.D., School of Civil and Environmental Engineering, Georgia Tech
- **And much more to come!**

The Annual Conference will also include:

- Social events that facilitate networking with fellow structural engineers;
- [New] reception for Young Member attendees;
- SECB reception and information on changes to application requirements;
- A trade show featuring the best in structural engineering products and services.

Check [www.ncsea.com](http://www.ncsea.com) for continually updated information on Annual Conference educational sessions, events, and registration information.

Current NCSEA Annual Conference Sponsors: