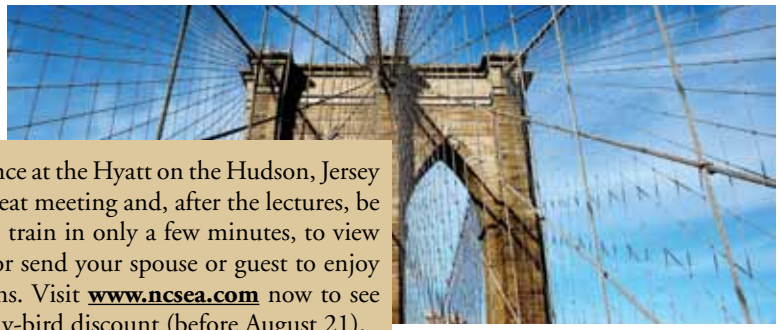
National Council of Structural Engineers Associations
Eighteenth Annual Conference

September 30 – October 2, 2010
Hyatt Regency on the Hudson
Jersey City, New Jersey



Courtesy of Sarah McGee Photography.

Plan your fall to include the NCSEA Annual Conference at the Hyatt on the Hudson, Jersey City, NJ, September 30 – October 2, 2010. Enjoy a great meeting and, after the lectures, be able to cross the Hudson River via ferry or the PATH train in only a few minutes, to view construction at the site of One World Trade Center, or send your spouse or guest to enjoy sightseeing and mid-town shops, theatre and museums. Visit **www.ncsea.com** now to see the full program and register in time to obtain the early-bird discount (before August 21).

Don't Miss the Saturday Afternoon Plenary Session on NCSEA's 2011 – 2015 Strategic Plan

Discuss NCSEA Goals for the Future with the NCSEA Board

1. *Promote the Practice*
   a. Promote to the Media and General Public
   b. Promote to Structural Engineers
   c. Promote to Students
   d. Promote to Allied Professionals and Potential Clients
   e. Promote to Regulators
   f. Promote to Elected Officials
2. *Represent the Profession*
   a. Increase our representation and effectiveness in influencing Building Codes and Standards
   b. Strengthen our SEER Committee and its work
   c. Strengthen the additional (other than CE) Membership Services and Programs provided
   d. Provide effective Continuing Education programs
   e. Broaden and strengthen our liaisons with related organizations
3. *Improve the Profession*
   a. Obtain separate structural engineering licensure in all 50 states
   b. Establish a structural engineering degree program in at least one University
   c. Increase Member Organization Involvement in all states
   d. Raise the Quality of Practice
   e. Establish or regain qualification-based selection in 5 states
4. *Enhance Communication with the Member Organizations*
   a. Annually determine MO's at-risk and develop an action plan to provide them with additional attention
   b. Enhance MO communication thru semi-annual conference calls and Board Member liaison annual (or semi-annual) visits
   c. Enhance communication thru NCSEA website improvements, the "MO Delegate Handbook", and monthly e-newsletters sent to all MO members
5. *Energize Committee Activity*
   a. Write, or review and re-write, Committee charges and post on website
   b. Select Effective Committee Chair for each Committee
   c. Select Effective Committee Members
   d. Improve Committee Operation Effectiveness
   e. Increase Committee Communication
   f. Increase Interaction Between BOD/Committees/Parallel MO Committees
   g. Perform Committee Evaluation
6. *Ensure Financial Security*

Exhibitors

American Institute of Steel Construction
Azz Galvanizing Services
CMC Steel Products
Construction Tie Products
ConXtech, Inc.
CSC Inc
DESIGN DATA
Fabreeka International Inc.
Fenner & Esler Professional Liability
FYFE Company, LLC
Grace Construction Products
Hardy Frames, Inc.
Hilti
ITW Red Head
LINDAPTER North America, Inc.
Singer Nelson Charlmers
Powers Fasteners
QuakeWrap, Inc.
RedBuilt, LLC
RISA Technologies, LLC
SidePlate Systems, Inc.
Simpson Strong-Tie
Steel Cast Connections LLC
Tekla, Inc.
TurnaSure LLC
USP Structural Connectors
Valmont Industries
Vector Corrosion Technologies
Voight & Schweitzer, Inc.
Wheeling Corrugating

Sponsors

Cives Steel Company — Thursday Lunch Sponsor
Girder-Slab Technologies LLC — Friday Breakfast Sponsor
Steel Institute of New York — Friday Lunch Sponsor

PLATINUM

Steel Institute of New York

GOLD

ACEC – New York
Langan Engineering and Environmental Services, Inc.

SILVER

Simpson Strong-Tie
Urban Foundation
USP Structural Connectors

Friend

Concrete Industry Board, Inc.
ITW Red Head
Nicholson & Galloway Inc.
Powers Fasteners
SE Solutions, LLC
Skyline Steel
West NY Restoration of CT
Wheeling Corrugating
Bentley Systems, Inc.

To become a sponsor of this event, please contact Erica Fischer (**ericacfischer@gmail.com**) or Melissa (**Melissa@ncsea.com**).

Next NCSEA Webinar August 17

Load Testing of Existing Structures – Presented by F. Dirk Heidbrink

This webinar will describe the current static load test procedure contained in Chapter 20 of ACI 318, provide information on the proposed quasi-static load test procedure to be included in the ACI 437 specification, and present a few load test case studies.

Load testing of an existing structure typically occurs when a building official calls into question the serviceability of a structure, a change in building usage occurs, or major modifications to the structural system are made. Procedures for conducting a static load test typically follow the requirements set forth in Chapter 20 of the American Concrete Institute ACI 318 – *Building Code Requirements for Structural Concrete and Commentary*. A new ACI code is currently in the development stages for repair of existing structures (ACI 562 – *Evaluation, Repair, and Rehabilitation of Concrete Buildings*). ACI Committee 437 – *Strength Evaluation of Existing Concrete Structures* is preparing a load test specification that is planned to be referenced in the new ACI 562 code. In addition to including the current 24-hour static load test procedure, this new specification would also include an optional quasi-static load test wherein a series of increasing load increments are applied and removed to the structure using hydraulics in order to better understand its elastic and inelastic behavior.

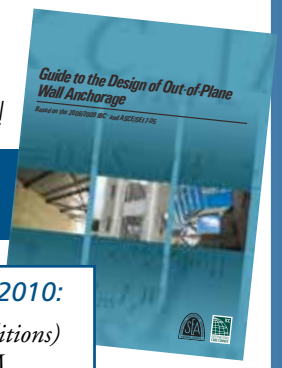
The webinar will be presented by F. Dirk Heidbrink, Associate Principal with Wiss, Janney, Elstner Associates, Inc. (WJE) in Northbrook, Illinois. During his 30-year tenure at WJE, Mr. Heidbrink has conducted numerous load tests on existing structures. He is a licensed Professional Engineer in many states. Mr. Heidbrink has written articles and given presentations on load testing at ACI, ASCE, and International Structural Engineering and Construction conferences. He is an active member of ACI Committee 437 and a member of the subcommittee currently developing the load test specification.

Upcoming NCSEA Webinars

September 9, 2010:	Wind Design for Storm Shelters and Critical Facilities – *Bill Coulbourne*
September 14, 2010:	Wood and Cold Formed Steel Trusses – *Ed Huston*
October 19, 2010:	ATC-58 – *Ron Hamburger*
October 28, 2010:	Design Considerations for Ponding Loads on Roofs – *Tom Wallace*
November 9, 2010:	Geometric Axis and Principal Axis Bending of Single Angles – *Whitney McNulty*
November 4 & 11, December 2 & 9:	Practical Design of Structures for Blast Effects – *Jon Schmidt*
November 4, 2010:	Design Criteria
November 11, 2010:	Design Methods 1
December 2, 2010:	Design Methods 2
December 9, 2010:	Progressive Collapse

NCSEA has published a new design guide…

Purchase it from ICC's website today. Attend the course and receive the book onsite!



Guide to the Design of Out-of-Plane Wall Anchorage: Based on the 2006/2009 IBC and ASCE/SEI 7-05

Course Instructor: Timothy Wayne Mays, Ph.D., P.E. is President of SE/ES and an Associate Professor of Civil Engineering at The Citadel in Charleston, SC. Dr. Mays currently serves as Chairman of the Structural Technical Group for ASCE SC Section and NCSEA Publications Committee Chairman. He is a prolific speaker who sits on several code writing committees. His areas of expertise are code applications, structural design, seismic design, steel connections, structural dynamics, and civil engineering aspects of antiterrorism.

Course Description: The *2006/2009 International Building Code* (IBC) and *ASCE/SEI 7-05* contain detailed design requirements for wall anchorage systems to resist out-of-plane wind and seismic load effects. However, the provisions are scattered throughout the code and/or referenced standards, are material specific, and are often challenging for practicing structural engineers to apply for many practical building configurations. Using concept oriented instruction, Dr. Mays breaks down the analysis and detailing requirements separately for seismic and wind anchorage. Structural walls, nonstructural walls, parapets, and cladding are each considered separately as related to governing provisions. Solutions for high wind areas, Seismic Design Category (SDC) B, and SDC D are provided for each problem presented in the course. Example anchorage problems for connecting concrete, masonry, timber, and precast walls/panels to diaphragms composed of various materials are presented. Special provisions for subdiaphragms, continuous ties/struts, pilasters, straps, eccentric connections, and wood ledgers are included. A detailing example for economical tilt up wall anchorage using just metal decking is presented. Comprehensive examples are provided for subdiaphragms composed of wood structural panel sheathing on wood framing and metal decking on steel joists. **If your member organization would like to schedule this 8 hour course, please contact Dr. Mays directly at timothymays@bellsouth.net.**

Courses Scheduled For August 2010:

*(Visit **www.ncsea.com** for recent additions)*
August 2, 2010 – Albuquerque, NM
August 5, 2010 – Little Rock, AR
August 9, 2010 – Atlanta, GA