

Steel News & Events



Get the Ball Rolling at NASCC 2001

Today's competitive environment is no day at the beach. The 2001 North American Steel Construction Conference offers you insight into the newest design and construction trends and techniques under the sun. NASCC 2001 features more advice from top industry experts, more product innovations and more opportunity to network with your peers than any other industry event.

The NASCC will be held from May 9-12, 2001 in Ft. Lauderdale, FL.

This year, the NASCC seems to be making a conscious effort to reach beyond their typical audience of the mid- to upper-level practitioner and also include entry-level engineers. The most obvious part of this effort is a severely reduced registration fee for anyone who has obtained his or her degree during the past five years. Instead of the normal \$450 registration fee for non-AISC members (\$325 for AISC members), recent graduates can register for just \$175.

And in addition to the normal technical sessions, this year's conference is offering a 10-hour tutorial on Connection Design. According to principals at many engineering firms, connections are a real weakness for most of their new hires. The conference is an ideal place to quickly get people up to speed on this difficult topic. The tutorial is intended to help

practitioners understand the fundamentals of connection design, including bolting, welding and connecting elements, and includes everything from specification provisions to moment end-plate connection design. For more information on the connection design tutorial, or to view the entire advance program for the conference, visit

www.aisc.org/nascc.html

or fax 312/670-5403, and AISC will send you the information.

Lateral Framing Systems East of the Rockies

Due to the success of last year's seminar series on wind and low-seismic design, AISC will be taking the course, "Lateral Framing Systems East of the Rockies," to additional cities during the first six months of 2001.

The course focuses on the 2000 International Building Code, which incorporates ASCE 7, the 1997 NEHRP Provisions and the 1997 AISC Seismic Provisions. These documents form a consistent design basis for the building codes that are being implemented nationally. Let AISC make the transition to the new IBC 2000 as smooth as possible for you with this in-depth look at your options in lateral framing systems.

The course is \$150 for AISC members and \$200 for non-members. For more information, contact AISC Seminars at 630/369-7784 or visit our web site:

www.aisc.org/seminars.html.

2001 Schedule at a Glance

March 15	Austin, TX
April 4	S. Portland, ME
May 23	Charleston, WV
May 24	Louisville, KY
June 20	Des Moines, IA
June 21	Milwaukee, WI

Salary Survey

The Project Management Institute surveyed members around the world about their pay and perks. The data is now available in the new PMI Project Management Salary Survey. Large and small employers, project management employees, human resource managers, CEOs and recruiters will want to read this important new book that globally outlines project management salaries and benefits.

Visit PMI Publishing's online bookstore at

www.pmibookstore.org

for a complete selection of PMI publications or call PMI's Publications Fulfillment Center at 412-741-6206 to place an order.

New Galvanizing Inspection Booklet Available

The American Galvanizers Association (AGA) has just issued an updated version of its popular publication, "The Inspection of Products to be Hot-Dip Galvanized After Fabrication—Including a New Section on Touch-up and Repair." This fully illustrated booklet outlines testing procedures to ensure that optimum quality zinc coatings are obtained.

Free copies of the inspection guide are available in PDF via the AGA's website,

www.galvanizeit.org/publications/publications.htm.

Single complimentary copies are available to North American locations upon request. Contact the AGA at 800/468-7732 or by e-mail at marketing@galvanizeit.org.

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ATC Announces Interactive Website for Improvement of Current Inelastic Seismic Analysis Procedures

The Applied Technology Council (ATC) has established an interactive website for the exchange of ideas and information to evaluate and improve inelastic seismic analysis procedures that are used with performance-based engineering methods for seismic design, evaluation and rehabilitation of buildings. The website has been created as part of the FEMA-funded ATC-55 Project, a recently commenced study to improve inelastic seismic analysis procedures. The impetus for the ATC-55 Project has arisen because of the emerging use of nonlinear static analysis procedures specified in recently developed documents, such as ATC-40, Seismic Evaluation and Retrofit of Concrete Buildings, which details the Capacity Spectrum Method, and FEMA 273, Guidelines for the Seismic Rehabilitation of Buildings, which documents a procedure known as the Coefficient Method.

The ATC-55 website can be accessed through the home page of ATC's website,

www.atcouncil.org.

Call for Papers—2001 SEAOC Annual Convention

The Structural Engineers Association of California issues this call for papers to be presented at its 2001 Annual Convention, held at the Loews Coronado in San Diego, CA. The dates of the convention are Wednesday, September 26 through Saturday, September 29.

It is anticipated that the technical program will be composed of papers in the following areas:

Practical Design: Papers of this type will focus on information that can be readily utilized by structural engineers in day to day design. Pertinent topics would include (but not be limited to) the design or retrofit of buildings,

bridges, marine structures, tanks and towers.

Research / New Methods / New Application: These papers will focus on recent research with application to structural engineering, new methods of analysis and the use of new materials or new applications of traditional materials.

2001 Regional Student Steel Bridge Competitions

The first competition held under the 2001 competition rules was held at University of Houston November 11th, 2000. The two top winners were:

Texas A&M University and Texas A & M – Kingsville.

The following are the regional Student Steel Bridge Competitions being held this spring:

Region	University	Dates
Carolinas	Univ. of NC - Charlotte	3/29 - 4/1
Deep South	Mississippi State University	3/29 - 3/31
Great Lakes	Univ. of IL- Champaign/Urbana	4/26 - 4/29
MD - DC	George Washington University	4/27 - 4/28
Metropolitan	Columbia University	4/7
Mid-Continent	Univ. of AR - Fayetteville	4/27 - 4/29
Mid-Pacific	Univ. of CA at Davis	4/28
Mid-West	Univ. of Iowa	3/2 - 3/3
New England	Tufts University	2/18
North Central	Michigan Tech Univ.	4/5 - 4/8
Ohio Valley	Ohio State University	4/7
Pacific Northwest	Idaho State Univ.	4/27 - 4/29
Pacific SW	CA State Univ. at Long Beach	4/26 - 4/28
Rio Grande	New Mexico State Univ.	4/28
Rocky Mountain	US Air Force Academy	4/6 - 4/7
Penn-Delaware	Widerner University	4/29
Southeast	Auburn University	3/15 - 3/17
Upstate New York	US Military Academy	4/27 - 4/29
Virginias	University of Virginia	4/6 - 4/7

Each University entering a steel bridge in any regional competition receives \$150 from AISC. The host university receives \$500 from AISC to assist with expenses incurred in organizing the regional Student Steel Bridge Competition. In addition, AISC provides plaques for the competitions.

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Business: These papers will discuss the business of structural engineering and could address any of the following issues: new markets, liability, fees, human resources, insurance, publicity or professional services.

Interested parties should fax a brief (300 words or less) abstract of their paper before May 1, 2001 to:

Eric Lehmkuhl
Technical Program Committee
2001 SEAOC Convention
KPF Consulting Engineers, Inc.
3131 Camino Del Rio N, Ste. 1080
San Diego, CA 92108
Fax: (619) 521-8591

Authors will be notified of acceptance around May 21, 2001, and papers ready for publication will be due around July 1, 2001. Authors will be provided with detailed guidelines for publication.

10th Anniversary of the National Student Steel Bridge Competition

Preparations are underway for the 10th annual National Student Steel Bridge Competition to be held at Clemson University May 25th-26th, 2001. The top two winning teams from each of the 20 regional competitions qualify to compete in the National Student Steel Bridge Competition. The first winning team from each region receives a travel stipend of \$ 500 from AISC and \$ 500 from The James F. Lincoln Arc Welding Competition. The second winning team from each region receives a travel stipend of \$500 from AISC.

The major sponsors of the National Student Steel Bridge Competition are:

- American Institute of Steel Construction
- American Society of Civil Engineers

- American Iron and Steel Institute
- National Steel Bridge Alliance
- Chaparral Steel
- Nucor Corporation
- The James F. Lincoln Arc Welding Foundation.

For further details please contact Scott Schiff, Clemson University, 864/656-0456, email scott.schiff@ces.clemson.edu and/or Fromy Rosenberg, AISC 312/670-5408-email rosenber@aiscmail.com.

Chicago Architecture Center, A New Cultural Attraction to Open in May 2001

Building on decades of services designed to raise public interest in Chicago's magnificent architecture, the Chicago Architecture Foundation has begun construction today of the city's newest cultural attraction - The Chicago

Architecture Center - slated to open in May 2001. Located within the historic Santa Fe Building on Michigan Avenue across from the Art Institute of Chicago, the Architecture Center will become a starting point for visitors and residents seeking to connect with Chicago's architectural and design legacy.

The Architecture Center will feature a brand new interpretive facility designed by the architecture firm Skidmore, Owings & Merrill. Visitors will be engaged by a scale model of downtown Chicago: a "wave-wall" illustrating the people and buildings that shaped the city's built environment; a searchable database profiling information and images on many of Chicago's best known skyscrapers; a new projects exhibit; and specialist "architecture ambassadors" to provide information about architecture related itineraries.

The Architecture Center is open seven days a week, 361 days a year. The Architecture Center will

Detailer Corrections

The following detailers were inadvertently omitted from the listing published in the February 2001 issue of *Modern Steel Construction*.

Company:	Esource Detailing, a Division of Lanna, Dunlap & Spriggs, PC	Company:	LTC, Inc.
Contact:	Gene Shevlin	Contact:	John Halgrimson
E-mail:	gshvlin@ldspc.com	E-Mail:	www.ltcsteeldetailers.com or Ltcinc@compuserve.com
Website:	www.ldspc.com	Telephone:	(608) 784-2300
Phone:	(804) 354-1997	Fax:	(608) 785-2003
Fax:	(804) 358-1188	City:	LaCrosse
Address:	2112 W. Laburnum Ave., Suite 201	State:	WI
City:	Richmond	Yrs.:	16
State:	VA	Organizations:	AISC
Years in operation:	5	# Detailers:	7
Organizations:	AISC, Other	# Checkers:	4
Other:	AIA, VSPE	Metric:	yes
# Detailers:	3	Foreign:	yes
# Checkers:	2	Experience:	Low-rise, High-rise, Commercial, Industrial, Airports, Stadiums, Hospitals, Schools, Churches
# CAD:	5	Software:	AutoCAD, Design Data (SDS-2), Cadvantage CVS
Metric:	yes		
Foreign:	yes		
Experience:	Low-rise, High-rise, Commercial, Industrial, Airports, Churches, Hospitals, Schools, Stairs and Railings, Other		
Other:	Towers		
Software:	AutoCAD, Microsoft, Softdesk, SSCDP		
Other:	RAM, LARSA, RISA		

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be free of charge, as are many of its offerings. In addition to the new facility, the Architecture Center will include two exhibit galleries, a lecture hall, a workshop & studio, award-winning architecture and design related shopping and access to more than 75 different docent-led architecture tours.

Call for Papers SUSI 2002

Seventh International Conference on Shock and Impact Montreal, Canada

Abstract deadline: 21 August 2001

Conference date: 27-29 May 2002

Organized by: Wessex Institute of Technology, UK

Contact: Conference Secretariat, SUSI 2002

Email: gcossutta@wessex.ac.uk

Website:

<http://www.wessex.ac.uk/conferences/2002/su02/>

NCSEA's Excellence in Structural Engineering Awards Call for Entries

NCSEA Delegates, Members and Friends are encouraged to enter NCSEA's Fourth Annual Excellence in Structural Engineering Awards Program. Entries are due on July 16, 2001, and awards will be presented at NCSEA's Annual Meeting on October 6, 2001 in Manchester, New Hampshire. Project award categories for 2001 are as follows: 1) Projects valued under \$5 million (total construction value); 2) Projects valued from \$5 million to \$25 million; 3) Projects valued more than \$25 million; and 4) Structural engineering publications.

Each Project category will have an Outstanding Project Award and

two Awards of Merit. The Publications category will have an Outstanding Structural Engineering Publication Award and a Meritorious Publication Award. Construction on eligible projects will have been completed since January 1, 1998. Criteria for judging the projects shall include the following:

Is it a significant structural engineering achievement?

Have technical innovations influenced the design?

Have rehabilitated or new components been successfully integrated into an existing structure?

Have dramatic cost or time savings been achieved through design or construction methodology?

Was the design creative, and did it solve a very unusual or difficult problem?

Was the design particularly well-suited for its environment?

For competition rules, eligibility, entry forms and submission details, contact the NCSEA office or visit the NCSEA website:

www.ncsea.com.

FEMA 356 and FEMA 357 Available

Reston, VA - The American Society of Civil Engineers (ASCE), under a cooperative agreement with the Federal Emergency Management Agency (FEMA), has completed a project to update and convert FEMA 273 - NEHRP Guidelines for the Seismic Rehabilitation of Buildings, and the related FEMA 274 NEHRP Commentary, into a mandatory language pre-standard, FEMA 356 - Pre-standard and Commentary for the Seismic Rehabilitation of Buildings. FEMA 356 is now available for use. The completion of the pre-standard is the first step in turning FEMA 356 into an ASCE/American National Standards Institute (ANSI) approved

national consensus standard. In the process, recent research results and technical advancements have been incorporated into the pre-standard when deemed appropriate by the project team and approved by the ASCE Standards Committee on Seismic Rehabilitation.

Users of FEMA 356 need to be aware that the ASCE Standards Committee on Seismic Rehabilitation of Buildings has unanimously voted to accept this pre-standard as the basis of a voluntary consensus standard, which upon its completion will be suitable for reference by building codes and inclusion in contracts. In early 2001, the Standards Committee will begin committee balloting on the document to be followed by an open public ballot period. The process that the Standards Committee will follow will be in accordance with the ASCE Rules for Standards Committees. The Rules have been approved by the ASCE Board of Direction and by ANSI. A copy of these Rules may be found in the ASCE Official Register.

To participate in the formal standard development process either as a member of the Standards Committee or as part of the Public Ballot process, interested parties are encouraged to contact ASCE's Standards Coordinator, Kim Brubaker, ASCE, 1801 Alexander Bell Drive, Reston, VA, 20191.

Additionally, FEMA 357 - Global Topics Report on the Pre-standard and Commentary for the Seismic Rehabilitation of Buildings, is now available. This report documents the nature and rationale for the technical changes made in the conversion of the Guidelines into the Pre-standard. Free copies of both FEMA 356 and FEMA 357 are now available from the FEMA Distribution Center at 1-800-480-2520.