

# STEEL NEWS & EVENTS

## T. R. Higgins Award Winner Announced

CHICAGO, IL—W. Samuel Easterling, associate professor of civil engineering at Virginia Tech, has been selected as the recipient of AISC's T. R. Higgins Award for 2002. Unanimously selected by the six-person jury, Easterling received the award for his paper, "Developments in Long-Span Composite Slabs." The jurors commented that this work held significant promise because of the potential for new economies in the design and construction of steel framed buildings.



The 2002 T. R. Higgins Award jury members were: Abolhassan Astaneh of the University of California, Berkeley; Barry L. Barger of Southern Iron Works, Inc.; Robert A. Halvorson of Halvorson & Kaye Structural Engineers; D. Kirk Harman of Cagley, Harman & Associates, Inc.; Roberto T. Leon of the Georgia Institute of Technology; and James A. Stori of STS Steel, Inc.

Easterling will present his Higgins lecture first at the 2002 North American Steel Construction Conference. For information about the NASCC, visit [www.aisc.org/nascc.html](http://www.aisc.org/nascc.html).

## Targeting Architects

AISC's Architect Workshop has been selected by the American Institute of Architects to be presented at their annual AIA National Convention in Charlotte in May. AISC is a certified AIA Educational Provider, and the workshop is a four-hour, four CEU credit program designed for architects and presented by prominent structural engineers. It's an overview of what an architect needs to know about structural steel and how steel can be used to give architects more architectural freedom. AISC presents this workshop to AIA chapters all over the US. For more information, please contact Steve Angell at 312.670.5420 or [angell@aisc.org](mailto:angell@aisc.org)

## NASCC 2002—Seattle

Come to Seattle April 24-27 for the 2002 North American Steel Construction Conference (NASCC), co-sponsored by the American Institute of Steel Construction, a once-a-year opportunity for design and construction professionals to:

- Learn how to apply the latest engineering, fabrication, detailing, and erection techniques to your everyday work;
- Discover the latest product offerings from the leading industry vendors; and
- Network with your peers, customers and future employees.

This year's NASCC features more than 40 technical sessions aimed at practicing structural engineers, fabrica-

tors, detailers, and erectors. This year's exhibit hall expects to feature more than 200 booths. Take this opportunity to meet nearly 3,000 of your peers-in

one location, at one time. The 2002 conference features six short courses and tutorials:

- Connection Design Tutorial
- Practical Steel Design Tutorial
- Financial Management Short Course
- Mission Statement Short Course

- HSS Connections Short Course
- Fabricator Workshops

For more information, including a downloadable copy of the advanced program, visit the NASCC web site at [www.aisc.org/NASCC.html](http://www.aisc.org/NASCC.html).



## Guide to Wind Load Provisions

RESTON, VA—ASCE has just released Guide to the Use of the Wind Load Provisions of ASCE 7-98, a comprehensive treatment which walks practicing professionals through the complicated process of assessing wind loads on a variety of buildings and other structures as set forth in ASCE 7-98. This revised guide addresses new developments in the wind load provision of ASCE 7-98, including analytical procedures, simplified procedures, terrain exposures, and internal pressures.

The Guide, written by Kishor C. Mehta and Dale C. Perry, provides a brief review of the background material that forms the basis for the Standard's provisions. Multiple examples using this analytical procedure to determine wind load are also included and worked out in detail. The Guide lists for \$39 and is available by visiting ASCE's web site at [www.asce.org](http://www.asce.org).

## SJI Offers Roof Design Information

The Steel Joist Institute continues to offer its Technical Digest #6 as a reminder to the design and construction professional that "uplift" must be given special consideration. This digest is offered as a service to the industry, and although not new, has traditionally been one of the most popular and useful technical digests offered by SJI.

In some locations of the United States, wind loading is a critical design consideration. Not only are the horizontal forces critical, but also the vertical upward wind forces. These vertical wind forces (uplift) on open web steel roof joists are discussed in this 26-page digest that contains information on the effects of such forces and the method of design to resist them. The Digest, written by Dr. Theodore V. Galambos, consulting engineer, University of Minnesota, examines both a K-Series and an LH-Series joist. Digest #6 sells for \$15. To order a copy, visit us on the web at [www.steeljoist.org](http://www.steeljoist.org).

## ICASS 2002

Hong Kong  
December 9-11, 2002

The third in the International Conference on Advances in Steel Structures (ICASS) is intended to provide a forum for discussion and dissemination by researchers and designers of recent advances in analysis, behavior, design and construction of steel, aluminum and composite steel-concrete structures.

Papers relating to all aspects of analysis, behavior, design and construction of steel, aluminum, and composite steel-concrete structures will be presented. All inquiries relating to the conference and proposals for papers should be addressed to Professor S. L. Chan at [ceslchan@polyu.edu.hk](mailto:ceslchan@polyu.edu.hk). For more information about ICASS 2002, visit [www.cse.polyu.edu.hk/seminar/icass02.htm](http://www.cse.polyu.edu.hk/seminar/icass02.htm).

## MASTERSPEC Incorporates Code of Standard Practice

MASTERSPEC Section 05120 "Structural Steel," dated February, 2001, has incorporated by reference the AISC Code of Standard Practice for Steel Buildings and Bridges. Added references to the Code have been included in the "Definitions," "Fabrication" and "Erection" Articles. This permits architects and engineers to edit the MASTERSPEC section in a manner that incorporates the Code in its entirety or incorporates it selectively.

MASTERSPEC is a master guide specification system with several hundred Sections. Architects and engineers tailor sections to reflect office practices and to suit a particular project. In addition, each MASTERSPEC Section is accompanied by a commentary. For Section 05120 "Structural Steel," the Code is briefly discussed as follows:

"AISC's Code of Standard Practice for Steel Buildings and Bridges (here-

after, the Code) has been incorporated into the Section Text by reference in Part 1 "Quality Assurance" Article, making the many fabrication and erection provisions of the Code part of the Contract Documents. The Code states: "In the absence of specific instructions to the contrary in the Contract Documents, the trade practices that are defined in this Code shall govern the fabrication and erection of structural steel."

The Code also addresses contractual procedures and issues among parties not always bound contractually that continue to concern some within the architectural and engineering professions. The architect or engineer is advised to review the technical and non-technical provisions of the Code and specifically address differences within the Contract Documents.

## AISC Names Chief Engineer

CHICAGO, IL—Charles J. Carter, P.E., S.E., has been named Chief Structural Engineer at the American Institute of Steel Construction, Inc. Carter, who joined AISC in 1991, has been instrumental in the development of many recent steel publications, including the third edition *LRFD Manual of Steel Construction*, *AISC Code of Standard Practice* and *RCSC Specification for Structural Joints Using ASTM A325 or A490 Bolts*. He also was responsible for the revitalization and reorganization of AISC's continuing education programs. As Chief Structural Engineer, Carter will be responsible for the day-to-day management of AISC's Engineering and Research department.

Carter is on the board of directors of both the Structural Engineers Association of Illinois and the Building Seismic Safety Council. He also serves on the Executive Committee of the Research Council on Structural Connections and is a member of the ASCE/SEI Committee on Design of Steel Building Structures and the NCSEA Advocacy Committee.

Nestor Iwankiw, P.E., AISC's Vice President of Engineering and Research, is currently on a reduced schedule as he works to finish his Ph.D. thesis and other selected AISC assignments, including serving on the FEMA ASCE/SEI Building Performance Assessment Team studying the World

Trade Center, one of which was the new concept of the AISC Design Guide Series. A longtime member and former secretary of the AISC Committee on Specifications, he was instrumental in fostering steel design advances in the AISC Specifications to meet the needs of structural engineers. As Vice President, he initiated AISC's efforts to obtain ANSI accreditation of its specification committees and to start the Institute's new Fire Safety Project, as Chair of its Project Management Committee.

Iwankiw led the AISC emergency steel research response to the 1994 Northridge earthquake, including the successful development of the reduced beam section for seismic design and the major governmental funding to resolve the relevant technical issues. As a member of the FEMA-SAC national Project Oversight Committee, he helped to develop the resulting FEMA guidelines and the AISC Seismic Provisions for the design community over the last five years.



Nestor R. Iwankiw

Charles J. Carter

Trade Center. Upon completion, he has announced that he will be leaving AISC; however, during this period he can be reached at the AISC Chicago headquarters office.

During his notable career at AISC, Iwankiw expanded steel research activities and their applications transfer

## STESSA 2003

Naples, Italy  
June 9-12, 2003

One of the best ways to prepare for the future is to learn from the past. At STESSA 2003, the theme is "Behavior of Steel Structures in Seismic Areas." Lessons learned in several recent earthquakes will be presented in technical sessions on the following topics: performance-based design, structural integrity under exceptional loadings, material behavior, member behavior, connections, moment frames, passive and active controls, repairs and retrofits, building and design codes and design applications.

The deadline for the submittal of abstracts is March 31, 2002. For more information, contact Bruno Calderoni via email at [calderon@unina.it](mailto:calderon@unina.it).

## Steel Bridge Forum at 2002 Structures Congress

WASHINGTON, DC – For the first time ever, the American Iron and Steel Institute (AISI) and the American Society of Civil Engineers (ASCE) are teaming up to present a Steel Bridge Forum in conjunction with ASCE's 2002 Structures Congress and Exposition.

The Steel Bridge Forum will be held on Wednesday, April 3, 2002 from 9 a.m. to 5 p.m. at the Denver Marriott City Center Hotel in Denver, CO. The forum will provide a national exchange of information and innovative ideas on cost-effective, efficient steel bridge research and design. It will address topics such as designing with High-Performance Steel and will be led by several of the nation's most influential bridge experts. Other topics include LFD design of curved girders, LFD design and software (AISIBeam) for short span bridges, LRFD design of elastomeric bearings, and LRFD design and software (AISISplice) for bolted field splices, among several offerings.

"We are pleased with the opportunity to present the Steel Bridge Forum in partnership with ASCE at the 2002 Structures Congress and Exposition," said Camille Rubeiz, P.E., AISI's director of transportation and infrastructure. "We want to get this state-of-the-art information into the hands of steel bridge designers, engineers and owners to save them time and money—precious commodities in this

busy industry. The Steel Bridge Forums are co-sponsored with the National Steel Bridge Alliance. For more information on the Steel Bridge Forum or on steel bridge design aids and courses, visit the AISI web site at [www.steel.org/infrastructure/bridges](http://www.steel.org/infrastructure/bridges)

## Structural Design Seminar

The University of Wisconsin-Madison, Department of Engineering Professional Development, will offer a seminar, "Structural Design for Non-Structural Engineers with Wind Design Applications," April 8-11, 2002 in Orlando, FL. Architectural engineers, non-structural engineers, plant engineers and others who would like to know more about structural systems and solving routine structural problems will benefit by attending. The course will introduce you to the current codes and standards that govern structural design. Topics include:

- develop shear and moment diagrams
- determine and apply loads
- select appropriate systems and materials
- calculate member sizes
- solve day-to-day incidental structural problems
- design footings, foundations, columns, beams, floor systems, shear walls and diaphragms
- evaluate structural requirements
- design simple structures
- size equipment supports and components

An engineering education or equivalent experience and a working knowledge of algebra and trigonometry are necessary. Experience in construction and/or engineering disciplines will also be beneficial.

For those who lack an engineering background, an alternative course, Fundamentals of Structural Design for Architects, Technicians and Builders, is offered annually in early winter. Please call Program Director Bruce Kieffer for more details. Call 800.462.0876 or email [kieffer@engr.wisc.edu](mailto:kieffer@engr.wisc.edu)

## International Seminar on Steel Structures

August 20-24, 2002  
Buenos Aires, Argentina

The Argentine Institute of Steel Construction, along with the Engineering National Academy and the Argentine Pontific Catholic University, is presenting the First International Seminar on Steel Structures. The increase in the design and construction of structural steel buildings in Argentina has created the need for a forum in which to share knowledge and experience relating to structural steel construction. For more information, visit [www.iaca-ac.com](http://www.iaca-ac.com).

## NCSEA Committee Studies National Certification

In an effort to promote self-regulation of the practice of structural engineering, the National Council of Structural Engineering Associations (NCSEA) is leading a study of board certification for structural engineers. The effort stems largely from the disparate qualifications for the licensing of structural engineers in the U.S.—currently there are 55 jurisdictions that regulate the licensing of structural engineering, each with its own unique requirements. Contributing to the need for board certification are declining education requirements for engineering students and the growing complexity of building codes. Current graduates have less time to learn more information, and without a minimum standard to uphold, courses may continue to be eliminated.

Rather than attempt to unify legislative licensing requirements for the practice of structural engineering, NCSEA's effort would supplement those requirements by creating a uniform standard of practice for structural engineering. The standard of practice, created and maintained by the profession itself, would ensure the continued quality of the practice of structural engineering. Also, by creating standards for university education, practical experience and continuing education, the certification board may be able to reverse unfavorable trends, including the reduction of core structural engineer-

ing course requirements for structural engineering majors.

If NCSEA's efforts come to fruition, the certification board would be an independent, nationally recognized body modeled after such self-regulating bodies as the American Bar Association (ABA) and the American Board of Medical Specialties (ABMS). "Certification would not just be another certificate on the wall," noted Larry Myers, the NCSEA delegate from Illinois, in a recent presentation to the Structural Engineers Association of Illinois. "The intent is to provide a value-added service to the structural engineering profession." NCSEA will post progress information on its web site, [www.ncsea.com](http://www.ncsea.com).

## **FHWA Steel Bridge Conference for the Western United States**

**Salt Lake City, UT  
December 12 -13, 2002**

Sponsored by the Federal Highway Administration, this two day long conference will focus on presenting the latest technologies and developments on steel bridge design and construction to design professionals in the western

states. The conference will include a panel discussion with state bridge engineers from 12 western states and the states of Tennessee and Illinois, and representatives from industry, academia and federal and local governments. On the day before the conference starts (December 11), a short course will be conducted to teach design of steel bridges using AASHTO LRFD Bridge Design Specification. Participants will receive a certificate that can be used toward continuing educational credit. If you are interested in receiving more information about this conference e-mail:

[nabro@unlnotes.unl.edu](mailto:nabro@unlnotes.unl.edu)

## **Steel Newsletter Available via E-mail**

The American Institute of Steel Construction, Inc. (AISC) invites you to learn up-to-date information about the steel and construction industry. With AISC's E-Mail Newsletter, you will receive information about AISC's latest programs, initiatives, publications and events. The E-Mail Newsletter will also give helpful AISC website hints. To receive AISC's E-Mail Newsletter, sign up by visiting

[www.aisc.org/news.html](http://www.aisc.org/news.html).

## **Corrections**

The following detailers were added to the detailer listing after the February issue went to print and will be included in the detailer listing on Modern Steel Construction's web page.

- Mile High Detailers, Inc.
- Details Plus
- Nu-Way Engineering Corp.
- Francis Designs, Inc.
- Bost Steel Detailing
- Cadvanced Design Inc.
- Grossman Steel Detailing, Inc.
- Pennsylvania Drafting Corporation
- Drafting Services, Inc.
- Hogan Enterprises
- KSS Detailing, Inc.

Also, the incorrect code was given for NISD. It should have been "NI" instead of "N". We apologize for any inconvenience this may have caused. See the corrected listing online at:

[www.modernsteel.com](http://www.modernsteel.com)