

# STEEL NEWS & EVENTS

## AISC Introduces ePubs with Professional Membership

Structural steel information is just a few clicks away with ePubs, an electronic collection of AISC's technical publications on the AISC web site. AISC members and subscribers are granted unlimited ePubs access for the duration of their membership or subscription.

AISC members and ePubs subscribers are granted unlimited access to Adobe Acrobat (PDF) versions of *Engineering Journal* articles from 1964 to the present, conference proceedings from 1954 to the present, all AISC *Design Guides*, and the AISC Shapes Database in MS Excel format. Members and subscribers will continue to enjoy free AISC materials, including the *Architects Guide for Designing in Steel*, AISC codes and specifications, Steel Tips, Steel Tools, Innovative Ideas in Steel, access to the Steel Availability database, and *Modern Steel Construction*.

The ePubs package is available immediately to all professional members. All you need to do is log-on to the AISC web site. For those who are not

yet AISC professional members, now is a good time to become one! AISC has modified its dues structure to make this a very affordable opportunity—for example, a company of six individuals pays the equivalent of \$26.67 per person; a company of 50 individuals pays the equivalent of just \$6 per person.

In addition to ePubs access, AISC members enjoy substantial discounts on printed publications and seminar and conference registrations. For example, members receive a \$125 discount on their registration for the North American Steel Construction Conference.

Professional Membership in AISC is limited to engineers and architects. Those not eligible for membership can access ePubs through a \$300 annual

subscription. Active Members and Associate Members also can benefit from ePubs by providing access to their dependents. If you have any questions about ePubs or AISC membership, please e-mail membership@aisc.org or call 312.670.5446. ★

### AISC Professional Membership Annual Dues Structure

No. of Staff	Total Fees
1	\$ 135
2-6	\$ 160
7-19	\$ 200
20-99	\$ 300
100-499	\$ 500
500-1000	\$ 1,000

## New Welding Curriculum Makes S.E.N.S.E

The National Center for Construction Education and Research (NCCER) announces the latest Contren™ Learning Series curriculum: AWS Entry Level Welder-Phase 1, prepared with the American Welding Society (AWS). Published with full color illustrations and photographs, and presented in an easy-to-use format, the new curriculum complies with AWS's Schools Excelling through National Skill Standards Education, or S.E.N.S.E. program. When used in addition to AWS Entry Level Welder-Phase 2 (published separately), the AWS Entry Level Welder-Phase 1 complies with all AWS documents specified in part

3.3 Learning Modules of AWS EG2.0-95 and should aid the participating S.E.N.S.E. school in certifying a trainee as an AWS Entry Level Welder.

"Through the AWS and NCCER partnership, students can receive multiple credentials to enhance their career opportunities," says NCCER President Don Whyte. "With the opportunity to work with more than 400 AWS S.E.N.S.E schools nationwide, we can provide the welding industry with a confident, skilled workforce."

To request an AWS Entry Level Welder-Phase 1 review copy, contact Prentice Hall Publishers at 800.720.3870. ★

## Correction

The article "Green in the Golden State" (September 2003), should correctly credit AISC and NISD members Acuña y Asociados S.A., of Santiago, Chile, for their work as steel detailers on the project. We regret any confusion caused by the omission. ★

## Upcoming AISC 2003 Fall Seminars

AISC will be offering a series of new educational seminars this fall. Visit [www.aisc.org/seminars](http://www.aisc.org/seminars) or see the ad on page 79 for dates and locations.

### Seismic Design and the New 2002 AISC Seismic Provisions

This seminar provides an overview of the new 2002 AISC *Seismic Provisions for Structural Steel Buildings*, the preeminent reference for seismic design of structural steel buildings adopted by reference by the model building codes. This edition contains substantial revisions to the design provisions and a rewritten commentary that builds on lessons from recent earthquakes and research. This seminar will update the experienced seismic designer and introduce the provisions to those with limited experience. Upon completion of the seminar, you will know what the changes are, where to find them in the provisions, and their implications.

### Basic Design for Stability—Columns and Frames

AISC and SSRC offer this six-hour program on the compressive strength of columns and frames, and buckling. The seminar provides background to understand the stability provisions in the AISC *Specification* and methods of stability analysis outlined in the AISC Commentary. There will be a strong emphasis on applications through the use of example problems and case studies.

### Common Problems in Design, Fabrication and Erection—Solutions and Prevention

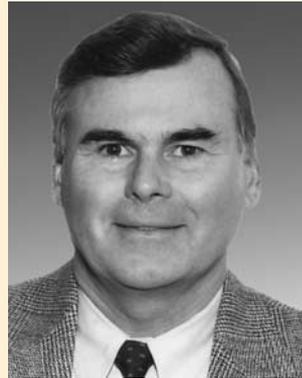
Authored by Jim Fisher and Larry Kloiber, this seminar premiered at the 2003 NASCC in Baltimore. The course discusses common design, fabrication, and construction problems that occur on structural steel projects. Solutions to recurring problems and suggestions to prevent problems from occurring will be presented. Included will be a discussion of the necessary procedures and documentation to verify that revisions comply with design requirements, and have been properly made and inspected. The attendee will leave the seminar better equipped to solve and prevent errors in his or her structural design. ★

## Lindsey Retires from Chair of Committee on Specifications

Stanley D. Lindsey, Ph.D., P.E., who has served as chairman of AISC's Committee on Specifications (COS) since 1995, announced in September that he will be stepping down. James M. Fisher, Ph.D., P.E., vice president of Computerized Structural Design, SC, will become the new COS chair, as approved by the AISC Board of Directors and the COS.



Stanley D. Lindsey



James M. Fisher

"The steel design community and construction industry have benefited greatly from Stan's leadership and generous contributions of time, expertise and energy," the AISC Board of Directors said, in a resolution passed at a recent meeting.

Through Lindsey's efforts, the Committee developed its first mission statement: "Develop the practice-oriented specification for structural steel buildings that provides for life safety, economical building systems, predictable behavior and response, and efficient use."

In its creation, Lindsey focused on the idea that specifications should be user-friendly. "We wanted to develop a mission for the committee that encompassed all ranges of engineering, from the smallest firm to the largest firm," Lindsey said.

Louis F. Geschwindner, AISC vice president of engineering and research, says the mission statement has been a key road map for the committee. "It's important to have an overriding guide as to what we're all about. It reminds us of our goals as we develop the new specification—we're making a specification that results in safe structures and ease of design."

Lindsey also has been instrumental in the creation of the unified AISC *Specification*, which will be released as the 2005 AISC *Specification for Structural Steel Buildings*. He saw through to completion the 1999 edition of the *LRFD Specification* and the 2002 edition of the AISC *Seismic Provisions*, the first ANSI-accredited AISC standard.

"Modernizing our specification to encompass all of the latest developments and keep us in tune with the rest of the world, while not placing an economic hardship on those used to the old specification (ASD) was a big challenge," Lindsey said. "But the committee members have been absolutely wonderful in their approach. They've worked hard toward the common goal, and to compromise and accept others'

views. It's been a marvelous experience."

Those who worked with Lindsey on the committee noted his leadership skills. "We had to apply to ANSI to become accredited, and it takes a good leader to make sure everybody buys into these things," Geschwindner said. "We had to make changes in the way that the committee functioned, and he had to be supportive of that and make sure that the members of the committee followed the rules to maintain the ANSI accreditation."

Fisher, who has been on the committee since 1986, says Lindsey is a progressive thinker and has helped the committee move forward. "He understands the needs of the consulting engineers as well as fabricators," he said.

Fisher was the chairman of the ad-hoc committee that developed the first draft of the unified specification. He has also been active in the work of several subcommittees, including those that write provisions for member design, stability, and editorial activities.

Fisher says he is looking forward to his new job as COS Chair, but it will be a challenge. "I consider it a real honor, and I'm excited because it's going to take a major effort to do the unified specification correctly and to sell it to the profession. I would like to get this mission accomplished. The main goal is to be consistent with the mission statement. I think we should work on creating a specification that can be efficiently used by practicing engineers, fabricators and detailers. It will be hard work, but it will be fun. And the current Committee and AISC staff are well equipped to do it." ★

## SSPC Issues Two New Qualifications Procedures

SSPC: The Society for Protective Coatings has issued two new qualifications procedures. The first is SSPC-QP 7, *Procedure for Evaluating Painting Contractors with Limited Industrial Work Experience*. This procedure describes a method for evaluating the qualifications of field painting contracting firms with less than six months industrial experience. Firms meeting requirements of this procedure

have not been observed by a qualified auditor performing coating operations in the field on a complex steel structure project. Read more about this special qualification procedure at [www.sspc.org/standards/qp7.html](http://www.sspc.org/standards/qp7.html).

The second is SSPC-QP 8, *Standard Procedure for Evaluating the Qualifications of Contracting Firms That Install Polymer Coatings and Surfacing on Concrete and Other Cementitious Sub-*

*strates*. The objective of this procedure is to determine if a contractor has the personnel, organization, qualifications, procedures, and knowledge to perform polymer coating or surfacing installation on concrete or cementitious substrates. Visit [www.sspc.org/standards/qp8.html](http://www.sspc.org/standards/qp8.html) for more information on the general requirements of this procedure. ★

## AISC Plans Consensus Standard for Bar-Code Tracking and Electronic Advance Shipment Notices

AISC announces the formation of a committee to develop a consensus "Standard for Electronic Advance Shipment Notices and Bar Coding of Structural Steel Shapes." This is the continuation of an ongoing effort of the Metals Service Center Institute (MSCI), the Technical Committee on Structural Shapes (TCSS), and AISC to provide cost-effective, efficient and automated ways to ship and receive structural-steel-shape products.

The committee will follow recognized, national consensus standard protocol, including broad-based industry and public-interest participation, formal balloting, a process for resolution of negative ballots and conflicting viewpoints, an appeals process, and a period for public review and comment before the Standard is released for publication in its final form. The Standard will not be submitted for formal certification as an ANSI standard and is not intended to replace or supplant any existing or executory ANSI standards involving related subject matters. But the procedure for developing the Standard will follow the ANSI National Consensus Standard Protocol.

The standardization will involve computer-to-computer exchange of information about structural steel products shipped from producer to distributor to end customer. The Standard will be implemented through bar-code tagging of shipped products.

"This creates a powerful set of business opportunities for both suppliers and receivers of goods," said Mike Engstrom, technical marketing director for Nucor-Yamato Steel and TCSS chairman. "The entire shipping and receiving process and all the companies involved can now be informed about the who, the what and the how of the shipment of every item. Receiving items becomes vastly more efficient because each item now has a bar-coded license plate that carries detailed information about when it is to be received, who sent it and how it is being sent."

The human-readable information on the bar-coded shipping label is

anticipated to comply with ASTM A6, Section 18.2; and the bar code format with AIAG Standard B-10, Code 128. The label also will be linked to an electronic advance shipment notice (ASN) with information about the supplier, the shipment, and the method of transportation. A unique supplier shipment reference number will link the bar-coded shipping label and the ASN.

"In this way the receiving company can create a far more efficient and cost-effective receiving operation since it will know ahead of time, via the ASN file, what to expect when a shipment arrives," said Bert Tenenbaum, vice-president of Chatham Steel Corp. and MSCI member. "That includes supplier identifying information, receiver order information, shipment- and transportation-method information, and information describing exactly what has been shipped and what should be received."

AISC will serve as the Secretariat for the committee developing the Standard. Three interest categories will be represented on the committee: Producer representatives (steel shapes producers), User representatives (metals service centers and steel fabricators), and General Interest representatives (all other interested parties). Membership on the committee will be diverse to assure reasonable balance without dominance by a single interest category.

Potential representatives of each interest group should be professionally qualified by education and experience. Those who wish to apply for membership on this committee or to nominate someone to serve on the committee should forward a written application/nomination to H. Louis Gurthet, President, American Institute of Steel Construction, Inc., Suite 3100, One East Wacker Drive, Chicago, Illinois, 60601-2000, no later than Nov. 30, 2003. Committee members will be expected to comply with written AISC Consensus Standard protocol and with the written AISC Conflict-of-Interest and Anti-Trust Compliance policies. ★

## Steel Building Symposium: Resisting Blast and Progressive Collapse

Dec 4-5 2003, New York City

AISC and the Steel Institute of New York (SINY) will sponsor a symposium examining blast and progressive collapse issues. The symposium presents an overview of the current design standards and procedures as well as methodologies for threat assessment.

"This program is designed to give engineers the guidance they need to address blast and progressive-collapse resistance in the design of steel buildings," said Louis Geschwindner, Vice President of Engineering and Research for AISC.

Speakers include Mohammed Ettouney from Weidlinger Associates; Ramon Gilsanz from Gilsanz, Murray, Steficek; Ron Hamburger from Simpson, Gumpertz and Heger; and Ahmad Rahimian from Cantor Seinuk.

Registration is \$100 for the two-day symposium, which will be held at the McGraw-Hill Auditorium, 1221 Avenue of the Americas, New York City. Attendees will receive 9.75 PDH (.975 CEUs) and the full conference proceedings. For more information, visit [www.aisc.org](http://www.aisc.org) or call Janet Cummins (312.670.5411) or Gary Higbee (212.697.5553).

Thursday, December 4 highlights include: Blast Basics, Progressive Collapse Basics, Performance of Buildings with No Specific Blast or Progressive Collapse Requirements: Parts 1 and 2, Assessing and Minimizing Threats to Buildings, Considerations for Retrofit and Rehabilitation of Existing Steel Buildings, and Design of Buildings with Prescriptive Blast or Progressive Collapse Requirements.

Joe Englot of the Port Authority of New York and New Jersey is the scheduled dinner speaker, addressing: "Vulnerability assessment of buildings from an owners/developers perspective."

Friday, Dec. 5 highlights include Design of Buildings with Performance-Based Blast and Progressive Collapse requirements: Parts 1 and 2, AISC research on blast testing of steel, and a discussion of applications from other industries. ★

## Log on to Online Continuing Education

AISC recently launched its first online seminar—but it's not the only steel-industry organization to do so. ASCE, AGA, and CSI are just some of the groups that offer online courses, allowing you to learn about important topics and obtain continuing education credit—without leaving your desk.

"The purpose is to give people that don't have time to attend live seminars or who can't access them an opportunity to see the seminar," said AISC Director of Continuing Education Carol Pivonka.

AISC is offering its "Fundamentals of Connection Design" seminar, presented by Thomas Murray, P.E., Ph.D., a professor of civil engineering at Virginia Tech. It covers the basics of bolting, welding, and connecting elements, as well as the design of shear, moment, bracing, and other connections.

"It was our most popular seminar from 2001," Pivonka said. "They can log onto the seminar on our web site in their home or office. They have 30 days to log on and log off as many times as they want. This gives them plenty of time to view the entire course."

You can watch it through a dial-up connection or a high-speed connection, and participants will receive a certificate awarding 0.4 CEUs or 4.0 PDHs upon completion of the seminar. To learn more, or to participate, go to [www.aisc.org/seminars](http://www.aisc.org/seminars).

Pivonka says AISC is planning future online seminars.

ASCE and CSI take online education one step further, with interactive courses. ASCE offers both independent and live, instructor-led courses. Independent courses can be taken at any time, and cover technical and management topics. The most popular is ASCE's Professional Engineer exam review course, which is also available on CD. Participants must pass a test at the end of each course in order to earn

their professional development hours or continuing education credits.

ASCE's instructor-led courses include weekly, one-hour live web seminars. A single registration fee allows an unlimited number of people to attend via Internet and telephone. The seminars are held during the lunch hour. "The presenter presents over the phone, while a presentation is shown on your computer screen," said ASCE's Director of Continuing Education John Casazza. "It's a live interactive, so the instructor is available and you are in real time. You can ask questions over the phone or email, and share your experiences and feedback."

Casazza says it is a popular and cost-effective way of training. The site registration fee for the live web seminars is \$249 for ASCE members and \$299 for non-members, but an unlimited number of people can participate at each site. "Many firms view the seminar in a conference room on a speakerphone with projection," he said. "At one site you might only have one participant, while 30-50 people participate at another site. We usually have more than 1000 participants in each seminar."

There is no test at the end of the course, but attendance information confirms participation in the live seminars. ASCE awards one professional development credit to participants. All web seminars are recorded on CD, so those who cannot attend can view them later.

"We've worked hard to provide people with many different training options, depending on organization, budget, and needs," Casazza said. "Hopefully we can provide something for someone in a large firm as well as someone in their home office. And everything in between." To check out ASCE's seminars, go to [www.asce.org/conted/distancelearning/](http://www.asce.org/conted/distancelearning/). ★

## Additional Online Offerings

The American Galvanizers Association's popular "Galvanize It!" seminar is available online through continuing education provider RedVector.com.

The online course, "Hot-Dip Galvanizing: Corrosion Protection with Galvanized Steel," provides architects, engineers, and other members of the specifying community a chance to learn about galvanized steel from any location, at any time. The three-hour seminar is accredited through the American Institute of Architects (AIA), and is worth three continuing education and HSW (health, safety, and welfare) learning units. Credits for this course also are recognized by state boards of the National Council of Examiners for Engineering and Surveying (NCEES). The cost is \$68.85. To register, log on to [www.galvanizeit.org/onlinecourse/](http://www.galvanizeit.org/onlinecourse/). A one-hour version will soon be available.

A free, in-person seminar is also available upon request, and qualifies for one, two, or four CES/HSW credits. For more information about the live seminar, please contact the AGA at 800.468.7732, or [marketing@galvanizeit.org](mailto:marketing@galvanizeit.org).

The Construction Specifications Institute, CSI, introduces its Audio Exchange sessions. The 90-minute sessions, delivered live to offices or homes via the Internet and telephone, can help

architects and contractors avoid rework caused by new Americans With Disabilities Act (ADA) regulations, and help product representatives boost their sales potential for commercial building projects.

The sessions also cover "green" building, specifications writing, fire stopping, and the U.S. National CAD Standard. In each session, participants can hear the instructor and ask questions by telephone, while viewing visuals on the Internet.

All that's needed is a phone, a PC, and an Internet connection. Participants at each session will earn .15 CSI continuing education units and 1.5 CSI education contact hours. Most sessions also qualify for 1.5 AIA Learning Unit Hours. Each Audio Exchange session is \$155 per site for CSI members (\$250 for non-members). The cost can be shared among everyone who gathers at a site to participate. To register, go to [www.csinet.org](http://www.csinet.org) or call 800.689.2900.

Upcoming sessions are:

- Nov. 5, 2 p.m. ET: "The U.S. National CAD Standard (NCS)"
- Nov. 6, 2 p.m. ET: "Accessibility Issues"
- Nov. 18, 2 p.m. ET: "Firestopping: A Life Safety Issue"