

NASCC '99 Combines Technical Seminars With Networking Opportunities



From the design of shallow steel floor systems to visual inspection of welds, the 1999 North American Steel Construction Conference's 30 technical sessions are formatted to offer engineers, fabricators, detailers and erectors practical knowledge that will help them do their jobs faster and better.

Technical sessions include:

- Column stiffening at moment connections;
- Fire tests & design of skewed connections;
- Steel plate shear walls;
- The story behind the making of "The Titanic";
- Conflict avoidance in fabrication of structural steel;
- Project control/project management;
- Heads-up marketing for the structural steel fabricator;
- Exposed HSS: Making aesthetics work;
- Transferring engineering information to shop computers: problems and solutions;
- What every steel erector should know about welding requirements;
- The crisis management game;
- Training of steel detailers; and
- Software for steel detailing.

Short Courses

In addition to the technical sessions, the conference features three short courses. The first, on Wednesday afternoon, focuses on floor vibrations. The speakers, including Thomas M. Murray from Virginia Polytechnic, David E. Allen with the National Research Council of Canada, and Eric E. Unger of Acentech Incorporated, will provide information on controlling vibration in a wide variety of building types.

On Saturday, two short courses will be offered. The first, on bolting, will focus on such topics as "How Fastener Choices affect Structural Design," "New Technologies in Fasteners," and a "Review of the Upcoming Bolt Spec: Changes that will Affect Design." The full-day course will be held at the University of Toronto's structural lab. Faculty includes: Peter C. Birkemoe of the University of Toronto, Geoffrey L. Kulak of the University of Alberta, Karl H. Frank of the University of Texas-Austin, Michael I. Gilmor of the Canadian Institute of Steel Construction and Charles J. Carter of AISC.

The second Saturday short course focuses on "Welding for Engineers and Fabricators." The course will be held at The Lincoln Electric Company's Toronto facility and faculty includes Omer Blodgett, Duane Miller and Scott Funderburk, all from Lincoln Electric.

Focusing On The Future

Another highlight of the 1999 North American Steel Construction Conference, scheduled for May 19-22 in Toronto, will be a half-day plenary session featuring Stanley D. Lindsey, D.J. Laurie Kennedy, Robert D. Freeland and Carol Ross Barney. The plenary session

will conclude with a fascinating discussion of the design and construction of the Guggenheim Museum in Bilbao, Spain. This structure represents the latest in steel design technology.

In addition to nearly 130 booths in the expanded exhibit hall, the conference will feature a detailing software demonstration with approximately 10 companies expected to participate, including: Steelcad International, Design Data, Computer Detailing Systems, Inc., CSC, CompuSteel, AceCAD Software, DetailCad CadVantage, Dogwood Technologies, Detail from Macrosoft and Amar Engineering & Design, and the SteelPlus Network.

The NASCC is the premier technical conference and trade show for the structural steel design and construction industry. Sponsored by AISC, as well as the Canadian and Mexican Institutes of Steel Construction. As with all AISC educational events, CEU credit is offered for the technical sessions.



The Guggenheim Museum in Bilbao, Spain will be featured in the conference's opening plenary session.

News Briefs....



Keynote speakers at the 1999 NASCC include (clockwise from top left): Laurie Kennedy, Stanley D. Lindsey, Carol Ross Barney and Robert D. Freeland

The conference, which previously was known as the National Steel Construction Conference, is designed as an annual event for designers, fabricators, detailers and erectors to come together and learn the latest techniques that directly impact their business. Sponsored by the American, Canadian and Mexican Institutes of Steel Construction, the conference provides an ideal venue for peer networking, with more than 1,500 engineers, fabricators, detailers and erectors gathered in one place.

For spouses and other guests, the conference offers an extensive guest program featuring tours of some of Toronto's most interesting attractions. Visitors will have the opportunity to experience the city and its many ethnic neighborhoods, including Chinatown, Greektown, Little Italy and Little India. For relaxation, Toronto offers more than 40 theatrical productions and 5,000 restaurants and nightclubs.

Registration for the conference, excluding the short courses, is \$425 (\$320 for members of the American, Canadian or Mexican Institutes of Steel Construction).

For more information, see

AISC's web site at www.aisc.org, or, to receive a complete program, fax a request to 312/670-5403 or call 312/670-5448 or 312/670-5407.

AISC Tightens Steel Seminar

While attendees responded favorably to the educational content in AISC's latest lecture series, many disliked the format. As a result, beginning with the Dallas lecture, AISC has cut the program by two hours. Now, the lectures will begin at 1:30 and conclude at 6:30.

The 1999 Lecture Series, "Essentials of Steel Design Economy," is designed to give engineers the tools they need to do their job within the time and budget constraints created by a project's owner.

The seminar will feature five lectures:

- Planning for Steel Design Economy
- Decision Making in System Selection and Layout
- Decision Making in Member Selection
- Economy in Connection Detail
- Project Review

These lectures will focus on giving a designer a better understanding of the economics of the steel fabrication/erection process and will focus on specific items the design engineer can use to reduce fabrication and erection costs, such as optimal bay sizes and layout and the use of repetitive member sizes. "The presenters have taken a step back to reveal the overall design perspective instead of drowning the audience in tedious technical calculations we all know how to use," explained one attendee at a presentation in January.

As part of the lectures, an example of a moment connection will be presented and then analyzed for economy in design, fabrication and erection. Also included in the lecture will be an assessment of the different roles and perspectives of members of the construction team.

"The seminar should help to improve communication and understanding between the design-detail-fabrication-erection team," explained Robert F. Lorenz, P.E., AISC's Director of Education. "We'll provide tips that will allow design professionals to anticipate detailed solutions to special conditions."

Seminar Schedule

Salt Lake City	April 13	Columbus, OH	June 16
Denver	April 14	Cincinnati	June 17
Albuquerque	April 27	Pittsburgh	Sept. 14
Phoenix.....	April 28	Charleston	Sept. 15
Las Vegas.....	April 29	Washington, DC	Sept. 22
Detroit	May 5	Richmond, VA	Sept. 23
Indianapolis	May 6	Boston	Sept. 29
Minneapolis	May 26	Portland, ME	Sept. 30
Omaha	May 27	Philadelphia.....	Oct. 6
Milwaukee	June 2	Edison, NJ.....	Oct. 7
Chicago	June 3	Meriden, CT	Oct. 13
St. Louis	June 9	New York City	Oct. 14
Kansas City	June 10	Albany	Oct. 27
Cleveland	June 15	Rochester, NY	Oct. 28

Full seminar brochures will be automatically mailed to all MSC subscribers. If you do not receive one at least six weeks prior to the seminar date, please fax 312/670-5403 and request one or you can view the full brochure on AISC's web site .

Millenium Bridge Conference

The Fifth International Bridge Engineering Conference will be held April 3-5, 2000, in Tampa. Organized by the Transportation Research Board, "Bridge Engineering for the New Millenium" will focus on problems and solutions in planning, design, construction, management, repair, rehabilitation, replacement, maintenance and safety of vehicular bridges.

The conference will include 13 sessions over a 2½-day period. For more information, contact Daniel W. Dearasaugh Jr. at the Transportation Research Board, 2001 Wisconsin Ave., NW, Washington, DC 20007 or visit their web site at www.nas.edu/trb.

Bridge Course

The Department of Civil, Structural and Environmental Engineering at the University of Buffalo, with the sponsorship of the NSBA, has developed an intensive five-week summer course in Steel Bridge Engineering focusing primarily on design and construction for new or replacement steel bridge superstructures. To apply for a fellowship to attend the course, call 716/645-2114 ext. 2400 or visit their web site at www.civil.buffalo.edu.