

SELECTING STRUCTURAL STEEL SYSTEMS

AISC's 1996 Steel Seminar Series is designed to provide designers and fabricators with useful information to use in their everyday workplace. The four-part lecture includes:

- **Wind & Seismic Loads for Buildings**
- **Choosing Steel Framing Systems**
- **Criteria for Connection Selection**
- **Communicating Connection Information**

The seminar will provide a thorough review of several time-tested framing and connection systems and provide insights into the benefits of each. The seminar costs \$120 (\$90 for AISC members; \$40 for students) and has a value of 5.0 Professional Development Hours (PDH) or 0.5 CEUs.

Middle Atlantic

D.C./Baltimore	Aug. 13
Philadelphia	Aug. 14
Pittsburgh	Oct. 16
Charleston, WV	Oct. 17
Cleveland	Oct. 29
Columbus	Oct. 30
Cincinnati.....	Oct. 31

West

Portland, OR	Sept. 30
Seattle	Oct. 1
Phoenix	Oct. 22
Salt Lake City	Oct. 23
Boise	Oct. 24
Sacramento	Dec. 11
San Francisco.....	Dec. 12

South

Atlanta	Sept. 4
Memphis	Sept. 24
Nashville	Sept. 25
Birmingham	Sept. 26
Miami	Dec. 4
Orlando.....	Dec. 5

Midwest

Detroit	Aug. 20
Indianapolis	Aug. 22
Chicago	Nov. 20
Milwaukee.....	Nov. 21

Southwest

Dallas.....	Sept. 10
Houston	Sept. 12
Denver.....	Jan. 16, 1997

Northeast

Rochester	Aug. 7
Albany.....	Aug. 8
New York City	Nov. 13
Edison.....	Nov. 14

For more information, contact: AISC Seminars, One East Wacker Dr., Suite 3100, Chicago, IL 60601-2001 or phone 312/670-5422 (fax: 312/670-5403). *Please note that all MSC subscribers will receive additional info automatically.*

Steel Bridge Symposium

THE NATIONAL STEEL BRIDGE SYMPOSIUM, OCTOBER 15-17 IN CHICAGO, OFFERS ENGINEERS, BRIDGE DESIGNERS, CONSULTANTS, FABRICATORS, ERECTORS, CONTRACTORS, INSPECTORS AND EDUCATORS a unique opportunity to learn more about state-of-the-art steel bridge design and construction.

In addition to presentations on such fascinating bridge projects as the United States Naval Academy Bridge, the Columbus Indiana Gateway Arch Bridge and the Clark Bridge, the Symposium features sessions on the attributes of high-performance steel for bridges, weathering steel bridges, integral abutments for jointless steel bridges and bridge aesthetics. The Symposium also offers a unique Innovative Steel Bridge Concepts panel discussion featuring such notables as John Kulicki from Modjeski & Masters, Jean Muller from J. Muller International, Walter Podolny with the FHWA, Donald Fleming with the Minnesota DOT, William Domico with the Florida DOT, and Vince Roney of the Virginia DOT.

Of special note is a session on bridge aesthetics by Santiago Calatrava. Calatrava is one of Europe's best known designers of both bridges and buildings and his work is rapidly gaining an impressive following in the U.S.

At this year's National Steel Bridge Symposium, Calatrava, who has degrees in both architecture and civil engineering, will speak on bridge aesthetics. According to Calatrava, "There is a certain exercise in engineering aesthetics to be undertaken in the design of a bridge and I feel that the integration of technology and aesthetics deserve special attention."

Three optional workshops allow attendees to receive detailed, in-depth information on:

• Steel Bridge Design Using LRFD

In 1993, AASHTO adopted the Load and Resistance Factor Design (LRFD) specifications as an alternative to the AASHTO Standard Specifications for Highway Bridges.

This full-day workshop is designed to aid engineers in gaining familiarity with the new provisions for the design of steel-girder superstructures. The workshop will include:

- An overview of the LRFD specifications
- A discussion of the new live-load models and lateral distribution factors in the specification
- An explanation of the revisions that have been made to the fatigue-design provisions
- A general overview of the LRFD steel design provisions through the presentation of several design examples
- A presentation of AISI's software package for the design of short-span steel bridges by current AASHTO Load Factor Design procedures.

• Seismic Design & Construction of Steel Bridges

This half-day session is designed to provide bridge

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designers and fabricators with essential information for designing and retrofitting bridges in seismic areas.

Sessions include:

- Performance of Steel Bridges in Recent Earthquakes
- Seismic Design of Steel Bridges
- Use of Isolation Systems in the Seismic Design of Bridges
- Seismic Retrofitting of Steel Bridges
- Seismic Design of Steel Bridges Based on R-Factors
- **Economical/Functional Steel Details and Bearing Design**

This half-day workshop will take an in-depth look at the pertinent design information required by a detailer to efficiently prepare shop and erection drawings that will accurately reflect a designer's intent. In addition, information will be provided on electronic data transfer of designs and details.

Recommendations also will be provided for economical and durable details for cross frames, bearings, girder configuration, field splices, material usage, weathering steel, paint systems and other critical items for bridge design and construction.

And finally, the Symposium features a Student Steel Bridge Building Demonstration and the Presentation of the Prize Bridge Awards.

For more information, please call 312/670-5421 or fax 312/670-5403.