

Rave Reviews For AISC Serviceability Seminar

Both engineers and architects are giving AISC's new 49-city Seminar Series, "Designing Steel for Serviceability," rave reviews. Some have even gone so far as to call it "AISC's best seminar yet."

The powerful sessions cover five important topics: frame layout options & strength design; roof ponding; floor elevation & levelness; control of lateral drift; and control of floor vibrations.

The seminar series has a CEU value of 0.55 (5.5 PDH). Registration is \$120 (\$90 for AISC members). The registration fee includes a wide range of handouts.

Please note that all MSC subscribers will automatically receive a registration form six weeks prior to the seminar scheduled in their area.

For more information, call 630/369-3772, fax 630/369-3773 or point your favorite web browser to: <http://www.aisc.org>

1997-98 Seminar Series Schedule

1997

Oct. 8	Chicago
Oct. 15	Philadelphia
Oct. 16	Edison, NJ
Oct. 21	Detroit
Oct. 23	Indianapolis
Oct. 28	Raleigh
Oct. 30	Birmingham
Nov. 5	Portland, OR
Nov. 6	Seattle
Nov. 12	New Orleans
Nov. 13	Houston
Nov. 18	Meriden, CT
Nov. 19	New York City
Nov. 25	Atlanta
Dec. 2	Memphis
Dec. 4	Nashville
Dec. 11	Salt Lake City

1998

Jan. 14	Los Angeles
Jan. 15	Los Angeles-East
Jan. 21	Columbus, OH
Jan. 22	Cleveland
Jan. 27	Jacksonville
Jan. 29	Tampa
Feb. 4	Boston
Feb. 5	Portland, ME
Feb. 11	Albuquerque
Feb. 12	Phoenix
Feb. 18	Pittsburgh
March 3	Kansas City
March 5	Denver

HSS Seminar

In response to the growing popularity and use of hollow structural sections, AISC will offer an HSS seminar in 13 cities next year. The seminar, offered in association with the Steel Tube Institute and the American Iron & Steel Institute, will review and cover all aspects of HSS design and connections, including both simple and moment connections.

The seminar, to be offered in 13 cities, will run all afternoon and into the evening. Sessions include:

- Materials and Specifications;
- Welding & Bolting;
- Shear Connections;
- Moment Connections;
- Tension & Compression Connections, Column Splices, Base and Cap Plates;
- Truss Connections and Examples;
- Constructability.

Cost of the seminar, including dinner, is \$175 for non-AISC members (\$135 for each additional attendee from the same firm) and \$140 for AISC members (\$100 for additional attendees from the same firm).

The seminar will include extensive hand-out material, but will not include the new HSS Connections Manual, which can be purchased beginning in January for \$72. The seminar starts at 1:00 p.m. in each city and runs through 9:00 p.m. It has a continuing education value of 6.0 Professional Development Hours or .6 CEUs.

All *Modern Steel Construction* subscribers will automatically receive a detailed program mailing.

1998 HSS Seminar Schedule

February 3	Charlotte
February 4	Atlanta
March 18	Philadelphia
March 19	Houston
April 28	Cincinnati
April 29	Chicago
May 19	Boston
May 20	New York
June 2	Denver
June 3	Kansas City
June 16	Los Angeles
June 17	San Francisco
June 18	Seattle

Designing For Vibrations

AISC Design Guide 11: "Floor Vibrations Due To Human Activity" offers information on evaluating steel frames for vibration serviceability due to normal daily work and living. It also provides useful information on controlling vibration in buildings housing sensitive equipment.

The *Guide*, which was jointly produced by AISC and the Canadian Institute of Steel Construction, includes:

- Acceptance Criteria for Human Comfort
- Design for Walking Excitation
- Design for Rhythmic Excitation
- Evaluation and Solutions of Vibration Problems
- Design for Sensitive Equipment.

The *Guide* was written by: Thomas M. Murray, Ph.D., P.E., Montague-Betts Professor of Structural Steel Design at the Virginia Polytechnic Institute and State University in Blacksburg, VA; David E. Allen, Ph.D., Senior Research Officer, Institute for Research in Construction, National Research Council Canada, Ottawa, ONT., Canada; Eric E. Ungar, ScD, P.E., Chief Engineering Scientist, Acentech Inc., Cambridge, MA.

Included are examples in both U.S. and S.I. units.

The *Guide* is available for \$30 (\$22.50 for AISC members) + shipping and handling. To order publication D811, call 800/644-2400.

Answers To Commonly Asked Engineering Questions

AISC has revised its popular "A Guide to Engineering and Quality Criteria for Steel Structures." The 95-page book includes answers to commonly asked questions on such topics as:

- Mill Production and Tolerances
- Fabrication & Erection Tolerances
- Member Design
- Connections
- Anchor Rods
- Painting & Surface Preparation
- Fire Protection
- Bolting & Welding

The *Guide's* answers represent AISC recommendations for the clarification of common problems and conflicts in interpretation involving steel

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building design and construction. Questions such as: "What can be done to prevent a nut from loosening," "How are tolerances determined if they are not addressed in the applicable standards," and "What paint system is implied by the general requirement of 'shop coat' or 'paint'" are addressed in the Guide.

Also included is information on AISC Quality Certification, other organizations and useful references.

The *Guide* was prepared by the AISC Committee on Manuals, Textbooks and Codes and is available for \$20 (\$15 for AISC members) + plus shipping and handling. To order a copy of publication S323, call 800/644-2400.

Metric Conversions For HSS

The Steel Tube Institute has published a new eight-page brochure, "Recommendations for Soft Conversion of HSS Sizes from U.S. Customary Units to Metric (SI) Units."

Copies are available by contacting STI at 8500 Station St., Suite 270, Mentor, OH 44060 (ph: 216/974-6990).

In Memoriam

John H. (Jack) Long, former chairman and chief executive office of AISC-member Pitt-Des Moines, Inc., died on July 18. He retired in 1990, having served as chairman and CEO since 1988 and as president and treasurer from 1987. Previously, he was with the American Bridge Division of US Steel and he served on the AISC Board of Directors from 1969-78.

Eli Isaacson, president of AISC-member Isaacson Steel in Berlin, NH, passed away on July 21.

F. Ayers Williamson, an AISC regional engineer from 1972-1977, died July 27. In 1977 he joined Bristol Steel Company, before moving to Hill International, Inc. in 1984. In 1995, he formed his own company, Construction Consulting Services in Richmond.

Correspondence

Dear Editor:

I am writing in response to your August "Off The Beam" on "value engineering". The problem with "value engineering" is that, while everyone has heard the term loosely thrown around (as in your editorial), there is no agreement on just what value engineering is.

To many people in construction, value engineering means a contractor-inspired alternate that cuts costs. The contractor assumes, based on his experience and judgement, the owner can function with whatever he recommends. The owner usually trusts that the contractor has the owner's best interest at heart. If the owner is results-driven and the contractor is cost-driven, misunderstandings can creep into the picture.

As a registered engineer with a fair amount of diverse experience, I would like to think I put my share of value engineering into all that I do. We all take this view. The part of my job I enjoy most is talking with an owner and working out a design that suits his needs. If there were no value to my engineering, I would be out of a job. The danger is that value engineering can be too much about personality and not enough about functionality.

The key is to be aware that value engineering means different things to different people. The focus needs to stay on the owner's needs, so the owner paying for our design/construction services fully understands what they are getting and their expectations set accordingly.

Stephen E. Long, P.E.
via email