

Steel News and Events

Mentors Needed for Young Engineers

Become a mentor in the National Engineers Week Future City Competition!

Since 1993 the Future City Competition had introduced tens of thousands of middle school students to the art of engineering.

If you are interested in giving a few hours of your time this fall and winter to introduce young people across the country to the field of engineering please contact Carol Rieg, national coordinator, at 301/977-6582 or via email at cardress@aol.com. For further information you can also visit the National Engineers Week Committee website at www.futurecity.com.

Nominations Sought for 2000 Shah Family Innovation Prize

The Earthquake Engineering Research Institute is currently soliciting nominations for the 2000 Shah Family Innovation Prize, rewarding young professionals and academics for creativity, innovation and entrepreneurial spirit in the field of earthquake risk mitigation and management. The prize was created with a substantial gift to the EERI Endowment Fund by the Haresh Shah family of Stanford, CA. The \$10,000 prize honors individuals under the age of 35 who have demonstrated at early stages in their careers the potential to make major contributions to the field of earthquake risk mitigation and management.

Nominations are due October 15, 2000 at the EERI office. Candidates for the 2000 prize must be less than 35 years of age on January 1, 2001. A one page nomination statement is required, written by the nominator, summarizing accomplishments and background of the individual. In addition, nominators should submit the names and contact information for two references. Candidates do not need to be EERI members. Past recipients include Bret Lizundia of Rutherford and Chekene and Nicos Makris of the University of California, Berkeley.

A more detailed brochure describing the selection criteria and nomination process is available from the EERI office. Contact Marjorie Greene at mgreene@eeri.org.

Focus on Wind and Low-Seismic Design

Three-quarters of the way through its national touring schedule, AISC's latest lecture series continues to generate strong positive feedback.

The lecture series, "Streamlining Your Steel Design Process: Lateral Framing Systems East of the Rockies," is aimed at engineers designing framing systems in wind and low-seismic applications.

The initial series of surveys, which included respondents in Las Vegas, Nashville, Memphis and Birmingham, reported that nearly nine out of 10 attendees agreed that the course was well worth the money paid, and more than 90% of the attendees noted that the course was beneficial to them as professionals. The data showed that more than seven out of 10 attendees had more than a decade of professional experience and nearly 80% of the attendees were structural engineers.

The course focuses on the 2000 International Building Code, which incorporates ASCE 7, the 1997 NEHRP Provisions and the 1997 AISC *Seismic Provisions*. These documents form a consistent design basis for the building codes that are being implemented nationally.

As Steve Ashton, senior engineer for Continuing Education at AISC explained, "In using current building codes, you will need to become much more familiar with seismic design. In many situations, special seismic detailing is required or desirable, even when the design is controlled by wind effects."

The five-hour course provides information on two distinct groups of framing systems: normal ductility and high ductility. Framing systems of normal ductility are designed to meet the requirements of the AISC *Specification for Structural Steel Buildings*, while framing systems of high ductility are designed to meet the requirements of both the AISC *Specification for Structural Steel Buildings* and the AISC *Seismic Provisions for Structural Steel Buildings*.

The seminar is designed to provide a wide-range of useful information. For normal ductility designs, attendees will learn:

- A streamlined design sequence for moment-frame systems and braced-frame systems;
- What seismic and code information applies to the various lateral-load resisting systems;
- Typical connection details that are used in the various lateral-load resisting systems;
- Useful and cost-effective moment connection details;
- Useful and cost-effective bracing configurations and bracing connection details; and
- How to identify special considerations for unusual structures.

Those interested in high ductility will learn:

- Advantages and implications of selecting higher levels of ductility for your designs;

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- How to apply AISC *Seismic Provisions*, including testing requirements for moment connections;
- Connection details that have already been qualified by testing;
- Differences between ordinary (OMF), intermediate (IMF) and special (SMF) moment frames; and
- Differences between special (SCBF) and ordinary (OCBF) concentrically braced frames.

Registration for the course, which offers 0.5 CEUs (5 PDH), is \$200 (\$150 for AISC members) with discounts for multiple attendees from one firm.

For more information, call 630/369-7784, or visit AISC's web site at www.aisc.org.

Schedule-at-a-Glance

Oct. 18.....Meriden, CT
Oct. 19Boston, MA
Oct. 24Washington, DC
Oct. 25Philadelphia, PA
Nov. 1Edison, NJ
Nov. 2New York, NY
Nov. 15Houston, TX
Nov. 16Dallas, TX