

## NSPE Expands Continuing Education Program

Continuing education requirements for professional engineers is rapidly growing, according to the National Society of Professional Engineers. "We've seen a push on the part of the states to encourage, and in some cases require, continuing professional education," said Russ Jones, P.E., NSPE's Executive Director. "Eight states (AL, GA, IA, NM, NC, SD, WV, WY) currently have mandatory programs in effect, and five more (AR, KS, MI, NV, SC) have similar programs under development."

Jones also notes that four states have voluntary programs, 12 have or are considering enabling authorities, and another 19 are studying how best to approach the issue.

In response, the NSPE has joined the list of organizations offering CEU courses for engineers. NSPE's program is in the form of a six-module course, with each module encompassing a single two-hour program. The first module, Course 100, covers Learship Skills for Engineers, Ethics, Planning a Project, Project Management and Professional Liability. Course 200 includes Implementing Total Quality Management, Human Resources, Engineering Ethics, Contract Documents, Risk Management, and CADD Management. The third module in the series, Course 300, was introduced this month and features Financial Management, Project Partnering, Managing Your Clients, Contract Negotiations, Qualification-Based Selection and Pre-Project Planning.

For more information on the program, contact Jim

Pierce, NSPE, 1420 King St., Alexandria, VA 22314; ph: 703/684-2862; fax: 703/836-4875; email: [jpierce@nspe.org](mailto:jpierce@nspe.org).

## Bridge Engineering Research

Proceedings of a recent workshop sponsored by the National Science Foundation, Iowa State University and the Technical University of Catalonia (Barcelona, Spain) on "Recent Advances in Bridge Engineering—Evaluation, Management and Repair," are now available for \$80 including postage. The book includes information on: bridge management; non-destructive testing; deterioration processes; bridge evaluation; and advanced materials & techniques.

Orders can be sent to: International Center for Numerical Methods in Engineering, Edificio C-1, Cmapus Norte UPC, Gran Captian, s/n. 08034 Barcelona, Spain. For more information, call F.W. Klaiber at Iowa State University (515/294-8763).

## Finite Element Modeling On CD

Algor Publishing Division has issued "Finite Element Modeling in Engineering Practice," an interactive, multimedia CD-ROM based on the reference/textbook of the same name.

"We believe it's the first-ever CD-ROM to offer practical methods for performing computer-aided FEA," said the author of both the book and the CD-ROM, Constantine C. Spyarakos, Ph.D, professor of engineering at West Virginia University. "This CD-ROM uses examples and full-color 3-D graphics to apply FEA theory to the real world. We have animated many examples to give a complete, start-to-finish

understanding of modeling and analysis processes."

Sample files serve as a "hands-on" supplement to the book and are offered for a variety of FEA software products, including Abaqus, Algor, Ansys, Cosmos, I-DEAS, Nastran, Patran and Stardyne.

For more information, contact Algor, Inc., at 412/967-2700; fax: 412/967-2781; email: [info@algor.com](mailto:info@algor.com); web site: <http://algor.com>.

## New Guide For Erecting Steel Joists

The Steel Joist Institute has issued a new guide on handling and erecting steel joists. Technical Digest #9 serves as a step-by-step guide for proper receiving, inspecting, unloading, storing and erecting steel joists. Copies of the \$12.50 guide can be obtained by contacting the Steel Joist Institute, Suite A, 1205 48th Ave. North, Myrtle Beach, SC 29577 or calling 803/449-0487.

## New Rules For Student Steel Bridge Competition

One of the most popular—and educational—programs sponsored by the steel industry is the Student Steel Bridge Competition. The program challenges civil engineering students from across the country to design, fabricate and erect a 1:10 scale model of a bridge across a river valley in a mountainous region. While any type of steel bridge can be designed, there are height limits and the entries are judged erection time, bridge weight, aesthetics, stiffness and cost.

During the past few years, solution's to the problem statement have become more and more advanced, so this year sev-

eral changes have been made, including increasing the span length to 19' and eliminating the use of cables.

Teams from more than 100 schools are expected to compete in the regional competitions, with the winners from each regional competition gaining eligibility to compete in the national competition, which will be held May 23-24, 1997 at California State Polytechnic University-Pomona. Cal Poly-Pomona graduated 110 civil engineering students in 1995 and has 13 full-time civil engineering faculty members. Currently, the school has 675 undergraduate students studying civil engineering.

## AWS Offers Certification Seminars

Thirteen cities have been selected as sites for preparatory courses for AWS-Certified Welding Inspector and AWS-Certified Welding Educator candidates. The week-long string of courses cover: one day on the reorganized D1.1-96 Structural Welding Code-Steel; three days on Welding Inspection Technology; and one day on Visual Inspection. Exams are then given on Saturday of the same week.

Dallas	Jan. 13-17
Fresno, CA	Jan. 13-17
Newark, NJ	Jan. 20-24
Salt Lake City	Jan. 27-31
Orlando	Feb. 10-14
Rochester, NY	Feb. 17-21
Milwaukee	Feb. 24-38
New Orleans	Feb. 24-28
Houston	March 3-7
Denver	March 10-14
Minneapolis	March 10-14
San Francisco	March 17-21
Miami	March 23-28

For more information, call 800/443-9353.

## Upcoming Events

- FORBES magazine will present the third conference on international project finance on Feb. 12-14 in San Francisco. The Worldwide Infrastructure Partnerships Conference will cover: alternative and innovative infrastructure financing techniques; the anatomy of a successful project; managing the risks throughout the development process; the Asian market's appetite for limited-resource financing; and opportunities/structure/risk management/rewards. For more information call 204/319-3630 ext. 10

- The 1997 AWS Show is scheduled for April 14-17 in Los Angeles. Topics will range from Seismic Design and Fabrication after the Northridge Earthquake to an Introduction to Thermal Spraying. For a free 40-page, full-color advance program describing the 200 lectures, sessions, courses, workshops, symposia and special events, please call 800/443-9353 ext. 256

- The American Design Drafting Association will hold its 38th Annual Technical Conference May 7-9 in Braintree, MA. The conference will focus on both current and future design drafting systems and procedures. For more information, contact: Aileen Worrell, ADDA, P.O. Box 799, Rockville, MD 20848-0799; ph: 301/460-6875; fax: 301/460-8591; email: national@adda.org

- A/E/C Systems '97, a giant computer show for architects, engineers and contractors, is scheduled for June 16-19 in Philadelphia. More than 150 sessions and 1,400 exhibitors are expected. For more information, contact: Pat Smith, A/E/C Systems '97, 415 Eagleview Blvd. #106, Exton, PA 19341-1196; ph: 800/451-1196; fax: 610/458-7171; home page: <http://www.aecsystems.com>

## Regional Student Steel Bridge Competition Schedule

region	date	host
Midwestern	2/21-2/23	University of Minnesota
Louisiana	3/21-3/23	Louisiana Tech
Southeast	3/21-3/23	University of Central Florida
Pacific NW	3/28-3/30	Univ. of Alaska-Anchorage
Virginia	4/4-4/6	Old Dominion University
Ohio Valley	4/4-4/6	Ohio University
Pacific SW	4/4-4/6	Loyola-Marymount Univ.
Carolinas	4/4-4/6	University of South Carolina
Great Lakes	4/4-4/6	Purdue University
North Central	4/11-4/13	Michigan State University
Rocky Mnt.	4/11-4/13	SD School of Mines
Mid-Pacific	4/18-4/20	CA State Univ.-Sacramento
Penn-DE	4/25-4/27	Penn State
Mid-Continent	4/25-4/27	University of Kansas
Metropolitan	4/25-4/27	NJ Institute of Technology
Upstate NY	5/2-5/4	Rochester Inst. of Tech.
Maryland-DC	tba	Univ. of MD & Howard Univ.
Texas	tba	tba
New Mexico	tba	tba
New England	tba	tba