

# STEEL NEWS & EVENTS

## WELCOME TO EJSE - ELECTRONIC JOURNAL OF STRUCTURAL ENGINEERING!

[www.civag.unimelb.edu.au](http://www.civag.unimelb.edu.au)

The first issue of EJSE was launched on 10th May 2001. The Internet is a revolutionary medium for publishing scientific papers. In this journal, the papers are published only in the web. The journal is a peer reviewed electronic but otherwise a conventional, scientific journal. It is free for subscribers. We already have a number of subscribers from around the world.

If you have not already subscribed please subscribe through the web page,

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(Only subscribers will have access from the next issue).

EJSE is seeking original papers (research or state-of the art reviews) of the highest quality for consideration for publication. The papers will be published within three to six months. The papers are expected to make a significant contribution to the research and development activities of the academic and professional engineering community.

## REI TO HOLD 15TH ANNUAL USERS CONFERENCE FOR STAAD SOFTWARE

Research Engineers International, a division of netGuru, Inc. (NASDAQ: NGRU), will hold its 15th annual users' conference for STAAD software products from July 26 – 28 at the Monte Carlo Hotel in Las Vegas, NV.

This year's STAAD Conference will focus on the new structural analysis and design features in STAAD.Pro 2001, including over 100 new features such as a new concrete designer and utility for bridge loading to new technique for analyzing cable members. The conference will consist of classroom-style instruction, real world-user presentations, Tech Camps and Q&A sessions.

For more information and registration, please visit

[www.reiworld.com](http://www.reiworld.com).

## DETAILING GUIDE FOR THE ENHANCEMENT OF ERECTION SAFETY

This guide with accompanying CD is a joint effort of the National Institute of Steel Detailing (NISD) and the Steel Erectors Association of America (SEAA). It features the latest OSHA 2001 steel erection rules with pictorial descriptions of how it affects the detailing process. It also contains other non-mandatory safety details of good detailing practice when it comes to safety as well as pre-drafting procedures and checklist.

This guide also comes with a CD packed with over 50 ready-to-use drawing files of the safety details in AutoCAD and ".tif" formats. These files can be easily inserted for use in erection drawings, a fabrication/erection/detailing standards manual or even for training manuals.

This publication can be purchased from the Steel-Link CAD Store at:

<http://www.rls.net/Merchant2>.

## ADVANCES IN STRUCTURAL EN- GINEERING-AN INTERNATIONAL JOURNAL

Advances in Structural Engineering provides a major publication channel for research in structural engineering and an international forum for the exchange of ideas, especially between the West and the East. The Editor-in-Chief Professor J.M. Ko would be pleased to receive high quality submissions from all parts of the world. Papers submitted to the journal will be reviewed swiftly. The journal is indexed and abstracted by Engineering Index as a core journal, so research published in this journal is widely accessible.

For further information on and subscription to the journal, please visit the following web sites:

[www.cse.polyu.edu.hk/jase/jase.htm](http://www.cse.polyu.edu.hk/jase/jase.htm)

[www.multi-science.co.uk](http://www.multi-science.co.uk)

## AISI TO LAUNCH SIX NEW ON- LINE COURSES FOR DESIGN ENGINEERS

The American Iron and Steel Institute (AISI) announced today plans to convert six of its bridge, pipe, tank and utility pole seminars to online formats over the next several months as part of its ongoing efforts to offer design engineers easy ways to learn about designing in steel while earning continuing education units (CEUs) to enhance their professional development.

"Online courses provide the quickest and most efficient means of educating professional engineers worldwide on the benefits of designing in steel," said Duane Dunham, AISI chairman and chairman, President and CEO of Bethlehem Steel Corporation. "Design engineers can learn on their own time and at their own convenience, and they are rewarded with additional knowledge and CEUs—an excellent value."

Dunham said that since the online weathering steel bridge course was launched in November 2000, 120 certificates of completion have been awarded to design engineers. The Corrugated Steel Pipe course was just launched in February, and already 51 certificates of completion have been issued.

For more information, visit

[www.steel.org](http://www.steel.org).

## THREE SEMINARS STRESS QUALITY AND FUNCTION IN WELDED DESIGN

Over the last 50 years, more than 15,000 engineers have attended the welding design seminars conducted by Lincoln Electric Senior Design Consultant Omer W. Blodgett, Sc.D., P.E. Conducted by a team of experts led by Mr. Blodgett and Duane K. Miller, Sc.D., P.E., these intensive three-day programs are tailor-made for those charged with improving quality and function while reducing welding costs.

Both Blodgett's Design of Weldments and Blodgett's Design of Welded Structures cover essential issues: determining weld size; controlling distortion; processes and procedures; metallurgy;

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mechanical properties of welded connections; and cost reduction ideas.

In addition, the Weldments program addresses non-destructive testing; introduction to fracture mechanics; and designing for fatigue and shock welding. The dates are: Blodgett's Design of Weldments, November 13-15, 2001.

The Structures seminar adds material related to achieving ductility; transfer of force; designing for fatigue, shock and torsional loads; and the importance of inspection. The dates are: Blodgett's Design of Welded Structures, September 11-13, 2001.

In 2000, Lincoln expanded the roster of its seminar offerings with the addition of Fracture & Fatigue Control in Structures—Applications of Fracture Mechanics. Taught by experts John Barsom, Ph.D. and Stan Rolfe, Ph.D., who co-authored the authoritative text bearing the same name as the seminar, this program is designed for engineers, designers and metallurgists responsible for fracture and fatigue control in all types of structures and mechanical equipment; specifying materials and design procedures; and writing specifications to prevent fracture and fatigue in structures. The dates are: Fracture & Fatigue Control in Structures, October 16-18, 2001.

Each seminar has an equivalent value of 2.0 CEUs, and the tuition for each is \$595 per person, with a discount offered if three or more individuals from one organization attend the same program. The fee covers all text materials, lunch each day, one banquet dinner, and daily transportation to and from a nearby hotel. Each program runs from 8:00 a.m. to 5:00 p.m., Tuesday through Thursday, and all are conducted in the state-of-the-art Welding Technology Center at the world headquarters of The Lincoln Electric Company. Early registration is recommended.

Registration forms and further information may be obtained from The Lincoln Electric Company, 22801 St. Clair Ave., Cleveland OH 44117-1199, attn: Registrar, Professional Programs. Phone: 216/383-2240. Fax: 216/383-8025. Or

[www.lincolnelectric.com/services/](http://www.lincolnelectric.com/services/)

[educate/educate.asp](http://www.lincolnelectric.com/educate/educate.asp).

Contact R. Scott Funderburk at 216/383-8187 for more information.

## SEMINARS HIGHLIGHT THE LATEST IN BRIDGE DESIGN AND FABRICATION

A dynamic team of experts drawn from six different companies or organizations will offer a new pair of seminars covering steel bridge design issues and bridge code requirements. The one-day AWS D1.5 Short Course will be offered first and will serve as an ideal introduction to the two-day Welding HPS Bridges seminar immediately following it. These programs are an exciting addition to the Lincoln Electric's longstanding and highly respected roster of continuing education courses.

The AWS D1.5 Short Course will provide the opportunity for those responsible for welding in accordance with the AWS D1.5 Bridge Welding Code to learn from the experts and ask tough questions about the Code. Special attention will be paid to WPS qualification, and bridge designers, engineers, supervisors, planners, welding inspectors, welding technicians and consultants are all encouraged to attend. Program leaders will be Robert E. Shaw, Jr., P.E., President, Steel Structures Technology Center, Inc., and Duane K. Miller, Sc.D., P.E., manager, Welding Technology Center, The Lincoln Electric Company. Course credit is 0.8 CEUs.

AWS D1.5 Short Course will be held July 24, 2001. Tuition is \$295.00.

Welding HPS Bridges is intended for bridge fabricators, state DOTs, QC/QA managers, engineers, designers, consultants and inspectors who plan to use High Performance Steel on bridge projects. Speakers will include:

- Alex Wilson, Bethlehem-Lukens Plate
- Marie Quintana, Lincoln Electric
- Duane K. Miller, Lincoln Electric
- Scott Kopp, High Steel Structures
- Murali Tumuluru, US Steel
- Lon Yost, Lincoln Electric
- Matt James, Lincoln Electric

• Roy Teal, Metals Consultant

• Scott Funderburk, Lincoln Electric

The issues surrounding High Performance Steel will be addressed through a series of lectures, discussions and laboratory sessions, including: welding requirements and procedures; metallurgy of high performance steels; case studies; AASHTO Guide Specification for HPS70W; and more.

Course credit is 1.5 CEUs.

Welding HPS Bridges will be held July 25-26, 2001. Tuition is \$595.

Fees for both programs cover all text materials, lunch each day and daily transportation to and from the hotel. Seminars are conducted in the Welding Technology Center at the world headquarters of The Lincoln Electric Company. Early registration is recommended. Registration forms and further information may be obtained from The Lincoln Electric Company, 22801 St. Clair Ave., Cleveland, OH 44117-1199, attn: Registrar, Professional Programs. Phone: 216/383-2240. Fax: 216/383-8025. Contact Jackie Marley at 216/383-2240 for more information.

## 7TH HISTORIC BRIDGES CONFERENCE

The Watson Collection at Cleveland State University is sponsoring the 7th Historic Bridges Conference in Cleveland, OH, on September 19-22, 2001. Information on the conference, including the program and registration materials, can be viewed at the conference website at

<http://web.ulib.csuohio.edu/7hbc/>.