

CONTINUING EDUCATION

Popular AISC Seminars Now Online

AISC has furthered its commitment to providing online learning opportunities by posting four of its most popular continuing education seminars on its web site. Originally presented last summer in Chicago, the seminars were digitally recorded and are now available at www.aisc.org. The online presentations include audio and video of the actual presenters as well as the original PowerPoint presentations. The four courses are:

Field Fixes

Authors/Speakers: James M. Fisher, Ph.D., P.E., and Lawrence A. Kloiber, P.E.

Steel Design After College

Author/Speaker: Lawrence G. Griffis, P.E.

Bolting and Welding Primer

Authors/Speakers: Geoff Kulak, Ph.D., P.E., and Duane K. Miller, Sc.D., P.E.

Seismic Braced Frames

Author/Speaker: Rafael Sabelli, S.E.

The courses can be viewed free of charge. However, to obtain CEU certificates (0.6 CEUs or 6 PDHs per course), there is a fee of \$100 per course for AISC members and \$200 for non-members.

AISC also plans to post seven lectures from its 2007 NASCC: The Steel Conference on its site in the near future.

To access the four courses, visit www.aisc.org, and click "Learning Opportunities" then "Online Seminars."

COATINGS

Industrial Protective Coatings Course

The Society for Protective Coatings (SSPC) is presenting the course "Fundamentals of Protective Coatings for Industrial Structures" in multiple U.S. cities. The 40-hour course takes place over five days, includes an exam, and is worth 3.8 CEUs. The cost is \$795 for SSPC members and \$995 for non-members.

The course provides a practical and comprehensive overview for those who are new to the protective coatings industry, and is applicable to contractors, engineers, inspectors, consultants, facility owners, technical services personnel, and sales reps. It is also an ideal refresher for reviewing the fundamentals of corrosion and

the use of coatings as a protective mechanism against corrosion and deterioration of industrial structures.

The course was presented in Whitby, Ontario, Canada and Anaheim, Calif. last month, but remaining dates include:

August 20–24 Pasadena, Texas
October 1–5 Chesapeake, Va.
November 5–9 Forest Hills, N.Y.

To register, call 877.281.7772, e-mail boyle@sspc.org, or visit www.sspc.org/forms/trainreg/index.ncl. For full course schedule please visit www.sspc.org/training.

CERTIFICATION

Mississippi Fabricator Wins Free QMC Audit

Since October 2006, Quality Management Company, LLC, provider of quality audits for the AISC Certification program, has been administering a voluntary customer satisfaction survey of AISC Certified Fabricators and Erectors upon receipt of their certificate. Companies that complete the survey are automatically entered into a semi-annual drawing for a free QMC audit.

Ellis Steel Company, Inc., a fabricator in West Point, Miss., has won QMC's most recent drawing for a free audit.

The objective of the survey is to improve the certification process from invoicing to the audit to issuing the certificate. QMC will draw for another free audit in about six months, so keep those surveys coming in!

PEOPLE

World Loses Bending Innovator

Goran Kajrup, an engineer from humble beginnings who came to run the world's top producer of bending machines, passed away on February 20th.

While working as a design engineer at a bending company in central Sweden in the 1960s, he came up with a unique design for a bending roller. The machine was run by a single hydraulic motor driving a gear that engaged with two other gears in a planetary arrangement, which became the two lower drive rolls of a plate roll or section bending machine. This made it simple to run an additional roll off the same hydraulic motor, essentially creating a three-roll machine. This top roll was fitted with a clutch to allow for the differential speeds between the inner and outer surface of a curved member going through the machine.

With the planetary arrangement the two bottom roll shafts were able to move on a swing arm about the same pivot point, a huge step forward in bending machine design; up to this point all bending machines were of the pyramid type, with fixed bottom roll centers and only a two-roll drive. In addition, previous designs all had mechanical gear boxes driven from an electric motor.

This unique hydraulic design enabled the machine to be stopped instantly and was safer, with the use of hydraulic relief valves that keep the machine from overloading. The design was made possible by recent advances at the time in hydraulic seals, hydraulic motors, and hydraulic pumps.

In the late 1960s, Kajrup joined a small engineering company in Hassleholm, Sweden where he proposed the idea of manufacturing bending equipment to his new design. He moved forward with a management buy-out and became the owner of what became ROUNDO.

In the early years the company produced small bending machines, but in the 1980s introduced larger machines to curve large structural sections, wide-flange beams, and round and square tubes.

Kajrup is survived by his wife, daughter, and son, Ola, who will continue with the company.

CRANES AND RIGGING

NCCCO Plans New Certification Programs for Riggers, Signalpersons

The National Commission for the Certification of Crane Operators (NCCCO) recently announced its plans to develop two new certification programs for riggers and signalpersons.

NCCCO will model the development of the new programs on its existing crane operator certification programs. The programs will draw on three major resources: industry support, subject matter expertise, and psychometric guidance. NCCCO will seek accreditation for the new programs, such as it has achieved for its crane operator certifications. The two new certifications will be geared toward meeting all prevailing ANSI and OSHA standards.

To optimize resources, NCCCO plans to double-track development of both programs through two Task Forces, one each for Riggers and Signalpersons. Don Jordan, Technical Lifting Authority, BP America, Houston, has been appointed chair of the Rigger Certification Task

Force. The Signalperson Task Force is chaired by Kenneth Shinn, President, K.J. Shinn, Inc., Lake Como, N.J.

Experts in their respective fields will staff the Task Forces and will be guided by psychometric consultants from International Assessment Institute (IAI), the testing services company that has provided exam development and administration services to NCCCO since 1999. Other experts will serve as item writers. As with the current programs, a professional Job Task Analysis will be conducted to serve as the foundation for exam development activities.

Development for the programs will begin in the second quarter of 2007 and continue throughout the year. According to NCCCO Manager of Program Development, Phillip Kinser, the Signalperson Program could be largely complete by the first quarter of 2008, with Rigger Certification close behind.

SUSTAINABILITY & TECHNOLOGY

Ecobuild/AEC Shows Combine Sustainability and Technology Topics

Sustainability and the use of technology such as integrated 3D building information modeling (BIM) are two of the most compelling issues in building design and construction today. The two subjects will be explored simultaneously under one roof at the Anaheim Convention Center in Anaheim, Calif., May 14–17, when the ecobuild america and AEC-ST Science & Technology trade shows co-locate their conferences and exhibitions.

The structural steel industry, which has had terrific success in both environmental stewardship (structural steel is comprised of 95% recycled material) and in implementing BIM to speed delivery of steel packages, will be exhibiting via AISC's participation at the combined exhibition, held May 16–17. For more information on the shows, visit www.ecobuildfederal.com/springhome.html.