

EDUCATION

Galvanize It! Seminar on the Road

This fall the American Galvanizers Association (AGA) has been hosting regional seminars in cities all across the U.S. One more remains for this season, scheduled for November 15 in Chicago.

Each seminar includes a two-part presentation by AISC (“Innovations in Steel” and “Steel and Sustainability”) and two

AGA presentations (“Galvanize It!” and “Sustainable Development and Hot-Dip Galvanizing”). The cost for the 5-hour seminar is \$40 per person and includes PDHs or CEUs and lunch.

For more information from the AGA website, go to <http://bit.ly/93Yrte>.

BUSINESS

FMA Survey Reports on Shop Wages and Benefits

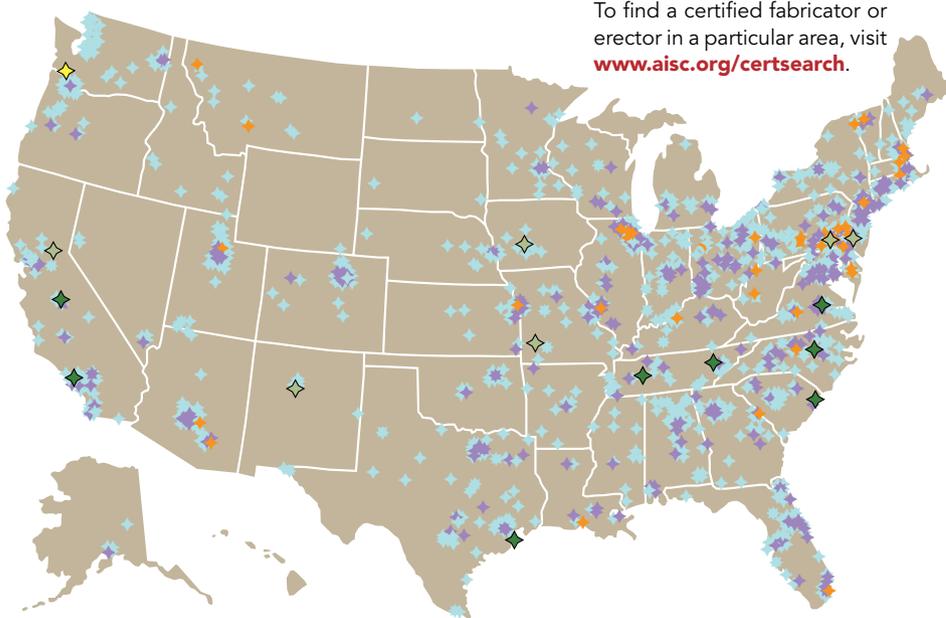
The Fabricators & Manufacturers Association International’s 2010 Salary/Wage & Benefit Survey provides data for both salaried and hourly shop floor employees in a single-survey tool, and is available for electronic download at the FMA Store (www.fmastore.org). The cost is \$150 for FMA and TPA members and \$350 for non-members.

The survey details employment practices, benefit packages, salaries, and wages for 132

participating companies. It reports annual base compensation information for 6,717 employees in 61 applicable industry positions, and includes the mean, median, minimum and maximum ranges for each wage/salary.

Wages are reported by company size, region, area population and sales volume, while employment practices and benefit details are reported by company size.

Newly Certified Facilities: September 1–30, 2010



To find a certified fabricator or erector in a particular area, visit www.aisc.org/certsearch.

Existing Certified Fabricator Facilities

Existing Certified Erector Facilities

Existing Certified Bridge Component Facilities

Newly Certified Fabricator Facilities

Newly Certified Erector Facilities

Newly Certified Bridge Component Facilities

Newly Certified Fabricator Facilities

Apex Steel Corp., Raleigh, N.C.
 Interstate Steel Corporation, Knoxville, Tenn.
 J & W Construction Specialties, Paramount, Calif.
 Kasco Fab, Inc., Fresno, Calif.
 Liphart Steel Co. Inc., Richmond, Va.
 Malin International Ship Repair & Drydock, Inc., Galveston, Texas
 MIG Construction Services, LLC, Lexington, Tenn.
 Steel Erectors, Inc., Pooler, Ga.

Newly Certified Erector Facilities

Hughes and Associates, Inc., Albuquerque, N.M.
 JD2/ISE Innovative Steel Erectors, Auburn, Calif.
 M&T Erection Ent., Inc., Mantua, N.J.
 National Steel Construction, Inc., Greenfield, Mo.
 S.E.K. Construction, Gap, Pa.
 Topping Out, Inc. dba Davis Erection & Northwest Steel Erection, Grimes, Iowa

Newly Certified Bridge Component Facilities

Western Fabrication Center, LLC., Kelso, Wash.

People and Firms

- **Richard Phillips**, president of San Angelo, Texas-based Hirschfeld Industries, has joined the AISC board of directors. Confirmed during AISC’s recent quarterly meeting in Chicago, Phillips will serve a three-year term on the board of directors, assisting with the organization’s planning and leadership in the steel construction industry. Phillips initially joined Hirschfeld in 2004 as chief financial officer and was named president in 2008. He is responsible for the management of all operating divisions for the company, which is one of the largest fabricators of steel bridges, structural, industrial and nuclear projects in North America.



- **Justin Ocel**, P.E., Ph.D., (center) is the recipient of the 2010 Robert J. Dexter Memorial Lecture. Dr. Ocel accepts congratulations from **Alex Wilson** (left), manager of customer technical service for ArcelorMittal USA and chairman of AISI’s Steel Market Development Institute Steel Bridge Task Force; and



- **Ed Wasserman** (right), director of structures for the Tennessee Department of Transportation and chairman of the AASHTO-T14 Committee. The program was instituted in 2005 in memory of Robert J. Dexter, an associate professor of civil engineering at the University of Minnesota, who was an internationally recognized expert on steel fracture and fatigue problems.

- **Sanjeev Tankha** has joined FabriTec Structures as design director based in their Costa Mesa, Calif., headquarters. Formerly with Gensler, he has more than 15 years of experience in the design and construction of tensile fabric structures worldwide.

RETIREMENT

AISC Vice President Louis F. Geschwindner Retires

Louis F. Geschwindner, P.E., Ph.D., has retired from his active role with AISC after serving as an AISC vice president for the past nine years. His distinguished career of service to the architectural engineering community tallied more than 40 years and culminated in his continuing service as professor emeritus of architectural engineering at the Pennsylvania State University.

As an AISC vice president, Geschwindner was responsible for leading the development of the 2005 AISC *Specification for Structural Steel Buildings* and the 13th Edition AISC *Steel Construction Manual*, as well as all other technical activities of the Institute.

“Lou put a lot of himself into his role at AISC,” said Charles J. Carter, AISC vice president and chief structural engineer, and Geschwindner’s successor. “His skill at simplifying concepts and processes helped to transform our specifications, publications, and seminars.”

In recognition of Geschwindner’s contributions—and his love of education—AISC has renamed its annual seminar series in his honor. The first AISC Louis F. Geschwindner Lecture will be given in the fall of 2011 and will focus on the 2010 AISC *Specification* and 14th Edition *Steel Construction Manual*.

Before joining AISC, Geschwindner served as a faculty member in the Architectural Engineering Department at Penn State for more than 30 years. Although he formally retired from Penn State in 2004, he continued to serve as Professor Emeritus and taught his last formal class in 2009. His scores of students describe him with great affection as a dedicated educator and respected faculty member with high academic standards and a commitment to teaching.

Geschwindner is a recipient of numerous industry and professional awards including the Penn State Graduate School Alumni

Society (GSAS) Lifetime Achievement Award and AISC’s prestigious T.R. Higgins Lectureship Award, which recognized his contributions as an outstanding lecturer and author for his paper “A Practical Look at Frame Analysis, Stability, and Learning Columns.” He is a past chairman of the Committee on Design of Steel Building Structures and the SEI Committee on Metals, co-chair of the Tension Membrane Structures Standards Committee, all of the Structural Engineering Institute of the American Society of Civil Engineers (SEI/ASCE). He also serves as a member of several AISC committees, including the AISC Committee on Specifications, Committee on Manuals, and Connection Prequalification Review Panel.

Beyond his career, he has been generous with his time and financial support of numerous charitable and philanthropic endeavors. In 2000, he and his wife Judy established the Louis and Judy Geschwindner Endowed Undergraduate Scholarship in the Architectural Engineering Department at Penn State. This scholarship provides annual tuition support to deserving undergraduate students.

Geschwindner received his bachelor’s degree in building science from Rensselaer Polytechnic Institute and both his Master of Science in architectural engineering and his Ph.D. in civil engineering from Penn State.



INDUSTRY EVENTS

The Spirit of SteelDay Captured in Photo Contest

Jiun-Wei Lai, a student at the University of California-Berkeley, is the winner in the AISC 2010 Student Photo Competition. Students were invited to submit a set of three photos demonstrating the theme of SteelDay: "Interact. Learn. Build." Lai's photos show three ironworkers making a connection, a welder and an inspector evaluating a new welding procedure, and

the steel box girders of the new Bay Bridge and the massive steel falsework being used to erect it.

Lai is working toward his doctorate in structural engineering with a focus on earthquake engineering, which he expects to complete in 2011. He earned his undergraduate and masters degrees in his native Taiwan, where he also worked for several

years before coming to the University of California-Berkeley in 2006. His current research, which is being carried out under a National Science Foundation grant, is in the field of concentrically braced steel frames. For more information, visit <http://bit.ly/c7FhW8>. A video of one of Lai's full-scale tests can be viewed at <http://bit.ly/9QuJAe>.



▲ **Interact.** Three ironworkers work to make a bolted connection in the CITRIS Building on the University of California-Berkeley campus.



▲ **Learn.** An inspector uses a stopwatch to measure the welding speed per single pass of a new weld procedure. The photo was taken in Herrick Corporation's Stockton, Calif., shop.



▲ **Build.** Taken on a recent field trip to the new San Francisco-Oakland Bay Bridge, this photo shows the scale of temporary steel trusses wrapped around the reinforced concrete bridge piers. The trusses will support the white steel box girder bridge deck of the self-anchored suspension bridge during construction.

DESIGN TOOLS

Online Wind Speed Reference Launched

The Applied Technology Council has developed a website that will allow users to find site-specific ultimate wind speeds used in ASCE 7-10, *Minimum Design Loads for Buildings and Other Structures*, published by the American Society of Civil Engineers. Developed with financial help from the ATC Endowment Fund and many engineering practitioners, the website is free of charge to users. Information is provided in a one-page format that includes the ultimate three-second peak gust speeds for Category I, II, III and IV buildings that are shown on maps in ASCE 7-10 (and the equivalent ASCE 7-05 and 7-93 wind speeds). It also includes serviceability wind speeds for 10-year, 25-year, 50-year and 100-year mean recurrence interval wind speeds that are provided in the ASCE 7-10 Commentary.

Scheduled to launch on November 1, 2010, the website address is www.atcouncil.org/windspeed.

EDUCATION

AISC T.R. Higgins Lectureship Award

James O. Malley, P.E., S.E., of Degenkolb Engineers, will present his 2010 T.R. Higgins Lecture three more times this year. It also is already scheduled for one presentation next spring. Malley received the award for his paper, "The 2005 AISC Seismic Provisions for Structural Steel Buildings," published in the First Quarter 2007 AISC *Engineering Journal*.

Upcoming lectures are scheduled for the following dates and locations:

- November 9, 2010, Portland, Ore., sponsored by the Pacific Northwest Steel Fabricators Association.
- November 10, 2010, Seattle, sponsored by the Pacific Northwest Steel Fabricators Association.
- December 14, 2010, Sacramento, Calif., sponsored by the Structural Engineers Association of Central California.
- March 3, 2011, Lawrence, Kan., sponsored by the University of Kansas Civil Engineering Department.

Contact the local sponsor for more information about any of these lectures.

The T.R. Higgins Lectureship Award is named for Theodore R. Higgins, Ph.D., AISC director of engineering and research from 1944-1968, who was widely acclaimed for his many contributions to the advancement of engineering technology related to fabricated structural steel. The award honors Higgins for his innovative engineering, timely technical papers and distinguished lectures.

Each year since 1972 the award has recognized an outstanding lecturer and author whose technical papers are considered an outstanding contribution to the engineering literature on fabricated structural steel. The first presentation of each new Higgins Lecture takes place at NASCC: The Steel Conference. Following NASCC, the Higgins Lecture is presented at a variety of venues around the U.S.

To schedule a T.R. Higgins Lecture, contact Nancy Gavlin, AISC director of education, at gavlin@aisc.org. For more information visit the Competitions and Awards channel at www.aisc.org.

COMPETITION

11th Annual Steel Design Student Competition

Entry materials are now available for the 2010-2011 Steel Design Student Competition sponsored by AISC and administered by the Association of Collegiate Schools of Architecture (ACSA). The program challenges students, working individually or in teams, to explore a variety of design issues related to the use of steel in design and construction.

The 2010-2011 competition offers two categories. For Category I, entrants will develop a program for a Homeless Assistance Center and design the facility on an urban site of their choosing. Category II is an open submission design option. For both, steel should be used as

the primary structural material.

Winning entries will be displayed at the 2012 ACSA Annual Meeting and the 2012 AIA National Convention and will be published in a competition summary catalog. Additionally, the first, second and third place winners in each category will receive cash awards. There is no fee to enter. Registration deadline is February 9, 2011. Entries are due June 8, 2011.

For more information, including a downloadable program brochure and entry form, visit www.acsa-arch.org/competitions.

To see the winning 2009-2010 entries in the ACSA competition archive, go to <http://bit.ly/920s39>.

PUBLICATION

3rd Quarter EJ Now Available Online

The Third Quarter 2010 issue of *Engineering Journal* is now available to AISC members online in digital edition format. Members can view the current issue online by going to <http://bit.ly/cSfGhC>.

Due to the popularity of *EJ*'s digital edition, the archive feature also has been enabled for the next few issues. The archive feature allows you to browse prior digital editions beginning with First Quarter 2010.

Article searches for the complete collection of *Engineering Journal* issues is available at www.aisc.org/ej. Downloads of current and past articles in PDF format remain free to AISC members and ePubs subscribers.

Email comments and questions to *Engineering Journal* editor Keith Grubb at grubb@aisc.org.

