Larry S. Muir, P.E., is the 2014 recipient of AISCI’s T.R. Higgins Lectureship Award. Muir is being honored for his paper “Designing Compact Gussets with the Uniform Force Method,” which was published in AISCI’s Engineering Journal.

Muir has been involved with structural steel in one form or another for over 20 years and currently provides consulting services to fabricators, erectors, engineers and the AISCI Steel Solutions Center. He is a member of the AISCI Specification and Manuals Committees and a member of the SEI Committee on the Design of Steel Building Structures.

Presented annually by AISCI, the Higgin Award recognizes an outstanding lecturer and author whose technical paper is considered an outstanding contribution to the engineering literature on fabricated structural steel. The award, which includes a $15,000 cash prize, will be presented at the 2014 NASCC: The Steel Conference, which takes place in Toronto, March 26-28. For more information on the T.R. Higgins Award and Muir, visit www.aisc.org/TRHigginsAward. And visit www.aisc.org/nascc for information on NASCC.

Two successful full-scale fire tests conducted by AISI and AISCI at Underwriters Laboratories (UL) this year provided insight for construction professionals struggling to decide whether to specify restrained or unrestrained fire protection thicknesses for structural steel-framed buildings. The answer is that the required fire protection will be the same, at least for the floor construction described in the new U.L. Design No. D982.

AISI and AISCI conducted tests of two unrestrained structural steel-framed floor specimens with 4.5 in. of normal weight concrete over steel deck supported by a W-shape beam. The first test ran for two hours and 32 minutes before the loading mechanism reached its limit. The second test ran for two hours and 29 minutes before the limit was reached. Both tests exceeded expectations.

“These new tests give the steel industry the opportunity to update the state of fire science and document for a new generation of architects, engineers and code officials that steel-framed buildings can be designed with fire protection thicknesses that are both safe and cost-effective,” said Robert Wills, P.E., vice president, Construction Market Development for the Steel Market Development Institute, a business unit of AISI.

“Simply stated, these test results are great,” said Charles J. Carter, S.E., P.E., Ph.D., AISCI vice president and chief structural engineer. “They provide a solution that eliminates the need to argue about what fire protection thickness is required.”

The new U.L. Design No. D982 provides for two-hour unrestrained assembly ratings with unprotected steel deck and SFRM (spray-applied fire-resistive material) protection on the steel beam with thickness sufficient to obtain a one-hour unrestrained beam (temperature-based) rating.

For more on the tests, see “ Restrained or Unrestrained? ” (MSC 09/2013) by Carter and Farid Alfawakhiri, P.Eng., Ph.D.

**People and Firms**

- The American Galvanizers Association (AGA) is seeking the best hot-dip galvanized steel projects of 2013. The 2014 call for entries is extended to any party involved with an after-fabrication hot-dip galvanized steel project completed in 2013. Each year, the Excellence in Hot-Dip Galvanizing Awards recognizes the special skill and efforts of galvanizers, fabricators, architects, engineers, contractors and all other parties in their use of hot-dip galvanizing in an innovative, ideal, creative, monumental or otherwise impressive fashion. All projects must be submitted at www.galvanizeit.org/project-gallery/submit. Projects must be submitted by December 31, 2013, and winners will be announced at the AGA’s Annual Conference in March 2014.

- David J. Galey, P.E., has joined the Minneapolis office of architecture/engineering firm LEO A DALY as director of civil and structural engineering. In this role, he will be responsible for leading the office’s civil engineering, structural engineering and landscape architecture disciplines.

- Architect Peter Ruggiero, AIA, has joined HOK’s leadership team in Chicago as design principal. A senior vice president and member of HOK’s firm-wide design board, Ruggiero brings 30 years of experience in the architectural profession to the Chicago region. He will continue to serve as a design principal for HOK’s Florida and Texas practices.

- Trilogy Machinery, Inc., has become the new exclusive U.S. distributor for Turkey-based Akyapak’s plate and section bending rolls.
SteelDay not only gathered more than 10,000 people nationwide to learn about the structural steel industry (see above item for more), but also encouraged participation from AISC full and associate members to show what they can do creatively with steel.

Fourteen sculptures were entered into this year’s SteelDay Sculpture Competition for a chance to be one of five finalists to have their creation on display at the 2014 NASCC: The Steel Conference, March 26-28, in Toronto. There, the ultimate winner will be chosen by attendees! (The finalists were chosen via Facebook where fans were able to view photos of the sculptures and vote for their favorites.)

The top five finalists headed to The Steel Conference are shown below.

Planning on going to The Steel Conference? Not only will you see these amazing works of steel art on display—you’ll also learn the industry’s latest techniques, see the most innovative products and network with your peers and clients.

Registration is now open. Be sure to register early; the rate increases $10 every week until the conference opens, when the price becomes $480 (for AISC members). This single registration fee gains you entry to all technical sessions, the exhibition hall, the keynote address and the T.R. Higgins Lecture. It also includes admission to all Structural Stability Research Council, Technology in Steel Construction Conference and World Steel Bridge Symposium sessions. The main conference offers up to 18.5 PDHs; attendees of short courses can earn an additional 4 PDHs.

Visit www.aisc.org/nascc to view register and to view the advance program.

Memories of Steel
Lunch Atop a Skyscraper
Get a Grip
Reflecting the High Way
Steve the Robot
This summer, AISC administered a total of $146,000 in financial aid to 40 undergraduate and master’s students for the 2013-14 academic year. For the second straight year, AISC offered two distinct scholarship programs for university-level students.

Now in its second year, the David B. Ratterman Fast Start Scholarship program for freshman and sophomore students awarded 11 scholarships totaling $40,000 to students at two-year and four-year colleges. These students, who are required to be relatives of AISC member company employees, are full-time freshmen or sophomores during the 2013-14 academic year.

The AISC Education Foundation, in conjunction with several other structural steel industry associations, awarded $106,000 in scholarships to 29 juniors, seniors and master’s students for the 2013-14 academic year. Congratulations to the following students for earning their scholarships:

### David B. Ratterman Fast Start Scholarships

**Winners Attending 2-Year Schools**
- Charnette Armstrong, Scott Community College
- Donnica Fagan, Front Range Community College (not pictured)
- Nicholas Langdale, Blinn College
- Marlee Sherwood, Pima Community College
- Nicholas Wagoner, Universal Technical Institute

**Winners Attending 4-Year Schools**
- Clarissa Alvarez, Mount Saint Mary's College
- Maria De Leon, University of Oklahoma
- Ian English, Marshall University
- Olivia Postich, University of Cincinnati
- Josiah Schaffer, University of Rhode Island
- Zayla Tolland, Albright College

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### AISC Scholarships for Juniors, Seniors and Master's Students

**AISC Education Foundation**
- Julius Doan, Georgia Institute of Technology
- Steven Earl, Stanford University
- Robert Fausett, Utah State University
- Alexander Hawkins, Brigham Young University
- Jennifer Kearney, Pennsylvania State University
- Alexander Motzny, University of California, San Diego
- Leah O’Neill, Brigham Young University
- Galen Reed, University of California at Berkeley
- Zach Treece, University of Missouri - Columbia
- Shue-Ting Tung, Princeton University
- Josh Weaver, University of Akron
- Caroline Williams, Michigan State University

**AISC Education Foundation—Fred R. Havens Scholarship**
- Zach Olson, University of Kansas

**AISC Education Foundation—W&W/AFCO Steel Scholarship**
- David Lasiter, University of Oklahoma

**AISC/Great Lakes Fabricators and Erectors Association**
- Matthew Hartigan, University of Michigan

**AISC/Ohio Structural Steel Association**
- Andre Silvers, Jr., Youngstown State University

**AISC/Rocky Mountain Steel Construction Association**
- Conor Lenor, Colorado School of Mines

**AISC/Southern Association of Steel Fabricators**
- Julius Doan, Georgia Institute of Technology
- Justin Lanier, Georgia Institute of Technology

**AISC/Associated Steel Erectors of Chicago**
- Abigail Christman, Northwestern University
AISC Scholarship Winners for the 2013–2014 Academic Year

Eric Johnson, University of Illinois at Urbana-Champaign
Jeremy Kaiser, University of Illinois at Urbana-Champaign
Alexander Lakocy, University of Illinois at Urbana-Champaign
Rose Milavitz, Northwestern University

AISC/Indiana Fabricators Association
John “Nick” Hardisty, Purdue University
Harrison King, Trine University
Alex Schwinghamer, University of Evansville

AISC/W&W Steel/Oklahoma State University
Bri Friedman, Civil Engineering
Charles Spencer Nokes, Construction Management
Benjamin Schwarz, Architectural Engineering

For more on AISC’s scholarship programs, visit www.aisc.org/scholarships.