

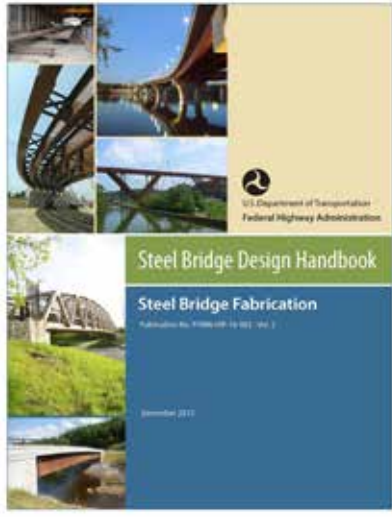
news

BRIDGES

New Edition of Steel Bridge Design Handbook Available

An updated version of the *Steel Bridge Design Handbook* is now available for free download. The *Handbook* includes 19 volumes (with topics ranging from design for constructability to corrosion protection) and six design examples that are current with the AASHTO-LRFD *Bridge Design Specifications*, Fifth Edition, U.S. Units. This new edition was developed by the National Steel Bridge Alliance (AISC's bridge division), the Federal Highway Administration and HDR Engineering.

The handbook can be downloaded for free at www.steelbridges.org and www.fhwa.dot.gov.



EVENTS

MIT to Host Architectural Iron and Steel Conference

The biennial “Architectural Iron and Steel in the 21st Century: Design and Preservation of Contemporary and Historic Architecture” conference will be held at the Massachusetts Institute of Technology (MIT) in Cambridge, Mass., April 2-3.

More than 35 architects, engineers and researchers will give presentations on the use, performance, maintenance and preservation/restoration of cast iron, wrought iron, structural steel, architecturally exposed structural steel (AESS),

stainless steel and other steels used in new and existing buildings and monuments. The conference also includes an optional tour program on April 4, focusing on fabrication facilities and structures using these materials.

The conference is organized by Technology and Conservation, the MIT Department of Architecture's Building Technology program and the Boston Society of Architects' Historic Resources Committee. Visit www.architects.org for the full agenda and registration information.

MARKET NEWS

AISC's John Cross to Speak at Steel Markets Conference

AISC Vice President John Cross is slated to present at Platts' 12th annual Steel Markets North America Conference in Chicago, March 14-15. He'll be speaking at the session “Steel Demand Outlook in North America—Key Sectors” on March 14 at 2 p.m., and will discuss the current level of nonresidential and multistory residential building construction in the U.S., the intensity of steel usage in that construction, anticipated future trends in the building construction market and the impact those trends will have on steel demand.

The conference provides insight into North American steel market trends and covers such topics as economics, pricing, markets, export trends, logistics, supply chain and other issues impacting the U.S., Mexico and Canada. Visit www.platts.com/events for more information and to register.

(And see Cross' article “How Long Will the Good Times Last?” from our January issue, available at www.modernsteel.com, for a look at the construction market in 2016 and beyond.)

People and Firms

Lehigh University recently received a grant of \$5 million to participate in a national initiative aimed at improving the resiliency and sustainability of the nation's civil infrastructure to better withstand the effects of earthquakes and other natural hazards. The five-year award from the **National Science Foundation (NSF)** is allowing Lehigh to perform research at its Advanced Technology for Large Structural Systems (ATLSS) Research Center.

According to **James Ricles**, Lehigh's Bruce G. Johnston Professor of Structural Engineering and principal investigator on the Natural Hazards Engineering Research Infrastructure (NHERI) program (which organizes the initiative), ATLSS Center was chosen for its ability to conduct real-time, large-scale and multidirectional structural experiments that mimic the demands on structures from natural disasters.

Other types of large-scale experiments have been performed at the center as well and will help NHERI researchers evaluate and confirm the resiliency of structural designs. These experiments include hybrid simulation, geographically distributed hybrid simulation, real-time hybrid earthquake simulation, dynamic testing and quasi-static testing.

Lehigh recently held a workshop at the facility, which comprised information sessions, tours and hands-on demonstrations tailored to attract applicants to develop research proposals to use the facility, and attracted registrants from 16 different universities.

The NHERI program also provided funding to six other universities for various types of research: Florida International University, Oregon State University, the University of California-Davis, the University of California-San Diego, the University of Florida and the University of Texas at Austin.

NASCC

Meet the Invisibles at NASCC



Who are the invisibles? That's one of the questions NASCC: The Steel Conference keynote speaker David Zweig will answer in his session at this year's show, which takes place in Orlando, April 13-15.

Zweig is the author of *Invisibles*, a new book that examines the skilled professionals in your organization who often go unseen or unrecognized—even though they're vital to your company's success. And he'll discuss why—and how—identifying and nurturing invisibles is so beneficial to your organization.

Driven by narratives of invisibles in action in a wide range of fields—from

an interpreter at the United Nations to a cinematographer on a multimillion dollar film set to a structural engineer at the world's second-tallest skyscraper—and fortified by business and psychological research, Zweig explains the critical and often misunderstood, undervalued role invisibles play within organizations. Knowing how to spot, hire, retain and reward invisibles is essential for those concerned with optimizing their organizational culture.

You can register for NASCC, as well as view the exhibitor list and descriptions of the dozens of sessions at the show, at www.aisc.org/nascc.

UNIVERSITY RELATIONS

Registration Open for Student Steel Design Competition

Registration is now open for the 16th annual ACSA/AISC Steel Design Student Competition for the 2015-2016 academic year. The program challenges architecture students, working individually or in teams, to explore a variety of design issues related to the use of steel in design and construction. A total of \$14,000 in cash prizes will be awarded to the winning students and their faculty sponsors.

Competitors may enter one of two categories. The "Tall Buildings" category challenges students to find alternative design approaches for tall buildings and create high-rise buildings that are in-

spired by the cultural, physical and environmental aspects of place. The "Open" category gives students flexibility to select a site and building program on their own. Both categories require steel to be used as the primary structural material, with special emphasis placed on innovation in steel design.

Individual students or teams participating in this year's competition are required to have a faculty sponsor, who must fill out the registration form by March 30, 2016. There is no fee to enter. For more information, please visit www.aisc.org/studentdesign.

CORRECTION

The February article "Tempering Tremors" erroneously credited multiple photos to Skidmore, Owings & Merrill, LLP. The photos—top-right on p. 39, top-right and bottom-middle on p. 40, middle on p. 42 and top-right on p. 43—were actually provided by Schuff Steel (an AISC Member and Certified fabricator). *Modern Steel* regrets the error.

NSSBC

BYU to Host 2016 NSSBC



This year's National Student Steel Bridge Competition is set to take place May 27-28 at Brigham Young University in Provo, Utah. Sponsored by AISC and the American Society of Civil Engineers, the national competition brings together approximately 50 teams annually from the 18 ASCE conference competitions. Structured to simulate a real-world project, teams build a 1:10 scale model bridge to meet a particular challenge, which is different each year. There are six cat-

egories: lightness, efficiency, stiffness, economy, construction speed and display. Winners are picked for each category, and the team who performs the best in all of the categories is the overall winner (last year, the University of Florida team took home top honors).

To learn more about the competition, including reading the official rules, visit www.aisc.org/steelbridge. And learn more about the history of the competition in "Going National" on page 26.