

22nd Short Course on Cold-Formed Steel Structures

October 25, 26, and 27, 2011

St. Louis, Missouri

About the Course

The course is designed to benefit both engineers that are unfamiliar with cold-formed steel design and engineers experienced with cold-formed steel design. For engineers unfamiliar with cold-formed steel design the course is structured to provide an introduction to the behavior of cold-formed steel members and connections and how that behavior is addressed by the AISI Specification. For engineers experienced with cold-formed steel design, the course is intended to strengthen their understanding of the fundamental behavior of both members and connections, as well as provide a better understanding of cold-formed steel design. Changes in the 2007 edition of the AISI Specification and the eight AISI cold-formed steel framing standards will be highlighted. A preview of future specification changes will also be provided. Both commercial and residential applications of cold-formed steel will be discussed.

The technical program is structured to discuss the many applications of cold-formed steel members to include, wall studs, floor joists, purlins, girts, decks and panels.

Texts & References

Lectures will be based on information contained in the AISI North American Specification for the Design of Cold-Formed Steel Structural Members and Commentary, 2007 edition with the 2010 Supplement. The text Cold-Formed Steel Design, 4th edition, by Wei-Wen Yu and Roger A. LaBoube, will also serve as a course reference.

Continuing Education Credits: 2.4 CEU's

Location and Accommodations

The course will be held at the Drury Plaza Hotel at the Arch, 2 South 4th Street, in downtown St. Louis, Missouri. This historic property is located just around the corner from the Gateway Arch and just a few blocks from many other downtown and riverfront attractions. Amenities include a free hot breakfast and free wireless Internet.

The special room rate for this course is \$99.00 per night. Reservations may be made by online by visiting www.druryhotels.com and clicking on the "Reservations" tab. Choose "Group Reservations" and enter the **group number 2107452** when making your reservation. The **lodging deadline is midnight October 8, 2011.**

Registration & Fee

The registration fee of \$1095.00 per person includes texts and references as specified above, course notes and three lunches (exclusive of room and board). Check, purchase/money order or credit card information for the fee should accompany each application. Advance registration is requested and should be completed prior to October 8, 2011.

If you have any questions please contact us at the Wei-Wen Yu Center for Cold-Formed Steel Structures by phone, (573) 341-4471 or email, ccfss@mst.edu.

Visit us online at <http://ccfssonline.org> for more information. Online registration for the short course will soon be available from this site.

Technical Program

Tuesday, October 25

8:00 Registration
8:20 Welcome
8:30 Mechanical Properties of Steel and Effect of Cold-Work of Forming
9:30 Break
10:00 Local Buckling and Postbuckling Strength of Thin Flat Elements
12:00 Lunch
1:00 Tension Members
2:00 Break
2:30 Flexural Members - Bending Strength and Deflection
4:00 Flexural Members - Distortional Buckling
5:00 Adjourn for the day

Wednesday, October 26

8:00 Flexural Members - Web Design
9:30 Break
10:00 Flexural Members - Lateral Buckling
11:00 Compression Members - Flexural, Torsional and Torsional-Flexural Buckling
12:00 Lunch
1:00 Bracing Requirements
3:00 Break
3:30 Compression Members - Distortional Buckling
4:30 Q and A and General Discussion
5:00 Adjourn for the day

Thursday, October 27

8:00 Beam-Columns
9:00 Direct Strength Method
10:00 Break
10:30 Connections
12:00 Lunch
1:00 Cold-Formed Steel Framing Standards
3:30 Break
4:00 Cold-Formed Steel Applications - Example Problems
5:00 Closing comments

Instructors

Roger LaBoube, PhD, PE; Curators' Teaching Professor Emeritus of Civil Engineering at Missouri University of Science and Technology, and Director of Wei-Wen Yu Center for Cold-Formed Steel Structures

Sutton Stephens, PhD, PE, SE; Associate Professor in Architectural Engineering at Kansas State University

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(Please print or type)

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REGISTRATION FORM

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Make check or money order payable to:
Center for Cold-Formed Steel Structures

Please fax or send this form with check (US bank)
purchase/money order, or credit card information to:

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