



25th Short Course on Cold-Formed Steel Structures

October 24-26, 2017, St. Louis, MO

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 2012 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, 2012 edition. 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, a free "kickback" each evening with a rotating menu of hot foods and cold beverages, and free wireless Internet.

The special room rate for this course is \$115.00 per night. Reservations may be made online by visiting <http://www.druryhotels.com>, then entering the **Group Number of 2306505**. Reservations may also be made by calling **1-800-325-0720** and referring to **Group Number 2306505**. The **lodging deadline is midnight September 21, 2017**.

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). **Online registration for the short course will be available at <http://ccfssonline.org>.** Payment by check, purchase/money order or credit card using the registration form below, will also be accepted by regular mail. **Advance registration is requested and should be completed prior to October 10, 2017.**

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.

Technical Program

Tuesday, October 24

- 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, Lateral-Torsional Buckling and Deflection
- 4:00 Flexural Members - Combined Bending and Torsion
- 5:00 Adjourn for the day

Wednesday, October 25

- 8:00 Flexural Members - Distortional Buckling and Web Design
- 9:30 Break
- 10:00 Compression Members - Flexural, Torsional and Flexural-Torsional Buckling
- 11:00 Built-up Member Design
- 12:00 Lunch
- 1:00 Bracing Requirements
- 3:00 Break
- 3:30 Compression Members - Distortional Buckling
- 4:30 Design Based on Test Results
- 5:00 Adjourn for the day

Thursday, October 26

- 8:00 Combined Loading
- 9:00 Direct Strength Method
- 10:00 Break
- 10:30 Connections
- 12:00 Lunch
- 1:00 Light Steel Framing Standards
- 2:30 Break
- 3:00 Framing Standards Applications
- 4:00 Shear Wall Design
- 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; Chief Engineer (Retired-Advisor at Pacific Northwest Engineering, Inc.

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(Please print or type)

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Last First MI
Title (Mr. Ms Dr.) _____

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REGISTRATION FORM

Registration Fee: \$1095 per person

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

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

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