

21st Short Course on Cold-Formed Steel Structures

October 27, 28, and 29, 2009
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. The text Cold-Formed Steel Design, 3rd edition, by W. W. Yu will also serve as a course reference.

Tour of a Local Facility

Included in the course registration is a tour of a local panelizing facility. Gateway Panel is a manufacturer of pre-fabricated cold-formed steel wall panels and truss systems using state-of-the-art automated equipment in their assembly plant located in St. Charles, Missouri. The pre-fabricated metal stud wall panels use welded connections. Finish systems such as Exterior Insulation Finish Systems (EFIS), siding or brick veneer are applied in a controlled environment.

Continuing Education Credits: 2.4 CEU's

Location and Accommodations

The course will be held at the Doubletree Hotel St. Louis Westport, 1973 Craigshire, St. Louis, Missouri which is conveniently situated just off I-270 only six miles from St. Louis Lambert International Airport. Shuttle service is available to and from the airport.

The special room rate for this course is \$99.00 per night. For reservations call 314-434-0100 and request the room block for the **CFS Short Course**. The lodging deadline is midnight September 28, 2009.

Registration & Fee

The registration fee of \$1095.00 per person includes texts and references as specified above, course notes, tour 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 1, 2009.

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://ccfsonline.org> for more information. Online registration for the short course will soon be available from this site.

Technical Program

Tuesday, October 27

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 28

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
Noon Lunch
1:00 Bracing Requirements
2:30 Break
3:00 Tour of Gateway Panel

Thursday, October 29

8:00 Compression Members - Distortional Buckling
9:00 Beam-Columns
10:00 Break
10:30 Connections
Noon Lunch
1:00 Cold-Formed Steel Framing Standards
3:30 Break
4:00 Direct Strength Method
5:00 Closing Comments

Instructors

Roger LaBoube, PhD, PE; Distinguished Teaching Professor 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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October 27-29, 2009, St. Louis, Missouri

(Please print or type)

Name _____

Last _____ First _____ MI _____

Title (Mr. Ms Dr.) _____

Company Affiliation _____

Address _____

City _____ State/Country _____ Zip _____

Phone _____ Fax _____ Email _____

Method of Payment: _____ Check/ Purchase/Money Order _____ Credit Card

Credit Card Information: _____ VISA _____ MasterCard _____ Discover

Card #: _____ Exp. Date _____

Credit Card Holder _____

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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