

The Quarterly Newsletter for Cold-Formed Steel Design Engineers

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Upcoming Events

AISI Committee on Apr. 27-29
Framing Standards (COFS)
Committee Meetings

Madison, WI www.steelframing.org

ASCE SEI Structures Apr. 30-May 2 **Congress**

Austin, TX http://content.asce.org/conferences/ structures2009/index.html

CFSEIAtlanta/S.E. Chapter
Lunch Meeting: Fire & Acoustic
Ratings w/Cold-Formed Steel
Construction
Atlanta, GA
www.CFSEI.org

2009 California Steel May20-21 Framing Forum & CFSEI National Annual Conference

Anaheim, CA www.CFSEI.com

METALCON International Oct. 6-8 *Tampa, FL*

Tampa, FL
www.metalcon.com

NCSEA Annual Conference Oct. 15-17

Scottsdale, AZ www.NCSEA.com

CFSEI's 2009 ANNUAL CONFERENCE PART OF STEEL FRAMING FORUM, MAY 20 - 21

CFSEI's 2009 National Annual Conference will take place in conjunction with the 2009 California Steel Framing Forum at the Disneyland Resort's Paradise Pier Hotel in Anaheim, Calif., May 20-21.

CFSEI meetings will also be held in conjunction with the California Forum and CFSEI Annual Conference. Industry committee meetings include the CFSEI Fire & Acoustic Task Group, CFSEI Lateral Task Group, and CFSEI Annual General Membership Meeting. In addition, there will be several networking opportunities and an Exhibit Hall. Exhibitors and sponsors representing leaders and cutting edge companies in the industry will be on hand to showcase the latest products and services available to Architecture, Enginering, and Construction professionals and a Keynote Dinner, featuring noted economist Peter Navarro, will conclude the event the evening of May 21. A future



announcement will provide additional information on the Keynote Speaker for the California Steel Framing Forum and CFSEI National Annual Conference.

The California Steel Framing Alliance (CASFA), and the Cold-Formed Steel Engineers Institute (CFSEI), the technical council of the Steel Framing Alliance (SFA), are hosting the California Steel Framing Forum and CFSEI National Annual Conference with attendees expected from throughout the United States.

"The Annual Conference is a valuable opportunity for engineers to Continued on page 2

Institute Members Vote on Candidates for Board Before April 24 Deadline

CFSEI's Nominating Committee faced a tough task this spring. Narrowing a list of extremely well-qualified candidates under consideration to fill three seats on the CFSEI Board that will become vacant when the current terms conclude at this year's Spring Meeting of the Board. Developing recommendations proved to be challenging.

The Nominating Committee recommended that four candidates be placed on the Ballot for the three open seats. As required by CFSEI's Operating Procedures, every active member of CFSEI is requested to vote for one candidate per vacant seat,

choosing either a candidate named on the ballot or writing-in a candidate who meets the minimal requirement of being an active Professional or Associate CFSEI member in good standing.

After culling a list of more than 20 candidates, the Nominating Committee recommended that these distinguished professionals be placed on this year's Ballot:

- Ed Kile, P.E., S.E.; Principal Engineer, Structuneering, Inc.
- Jay Larson, P.E., F.ASCE; Managing Director, Construction Technical, American Iron and Steel Institute
- Nabil Rahman, Ph.D., P.E; President,

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CFSEI Annual Conference

Continued from page 1

learn, network and keep abreast of the latest research and trends in cold-formed steel design," said Jeff Klaiman, President, CFSEI. "It's an ideal forum for participants to learn more about and become involved in CFSEI and industry committees, including the CFSEI West Chapter which is co-hosting this year's Annual Conference at the Disneyland Resort in California."

More than 10 technical and educational sessions have been scheduled on May 21, including:

- Overview of CFS Design and Changes to the AISI Specification (S100)
- Introduction to Section D4 CFS Light-Frame Construction of S100-2007
- FEMA P695 (ATC63) R-Factor Determination for Corrugated Steel Shear Wall Assemblies
- Sound Transmission Issues and Solutions in Cold-formed Steel framing
- How to Insulate and Comply with Title 24 of the 2006 IBC using Cold-Formed Steel
- Fire Assemblies using Cold-Formed Steel
- Building Information Modeling (BIM)
- Wind Design for Cold-Formed Steel Framed Structures
- Design for Irregularities and Perforations in Cold-Formed Steel Lateral Systems

"Advancements in steel framing technology, and innovative design and code changes that have resulted from these advancements, create a need for continued training and education for professionals," said Mark Nowak, President, Steel Framing Alliance. "Cold-formed steel framing is well-aligned with trends emerging in the marketplace and meeting changing customer demands so it's important to provide opportunities for professionals to learn about advancements and grow their knowledge."

For more information, including information on sponsorship and exhibiting opportunities, contact CFSEI Manager Brian Berger at bberger@cfsei.org.

Program features of the 2009 California Steel Framing Forum & CFSEI National Annual Conference, include:

- More than 10 technical and educational sessions on May 21 covering various structural design topics, Building Information Modeling (BIM), Fire Assemblies using Cold-Formed Steel, Lateral Systems and Seismic Design with Examples
- Leading industry companies and organizations sharing the latest cutting edge products and services in the **Exhibit Hall**
- Industry committee meetings including CFSEI Lateral Task Group, CFSEI Fire & Acoustic Task Group and CFSEI general membership meeting
- **Keynote speaker** and Dinner Reception on May 21st (guest speaker announcement coming soon!)
- Extensive opportunities for networking and networking events
- "Code and Code Officials Day" on May 20 from 1:00 pm to 6:30 p.m. followed by a dinner reception

Visit http://www.steelframing.org/sfa casfaforum2009.htm for a complete list of program sessions.

CFSEI Members receive discounted registration to attend the 2009 California Steel Framing Forum & CFSEI National Annual Conference in Anaheim, CA on May 20 - 21, so register online now by clicking here or by visiting www.CFSEI.org.



Reserve Your Discount Accomodations

Disney's Paradise Pier ® Hotel \$119.00 per night (you must mention California Steel Framing Forum). Rooms at this rate are limited so reserve now. Discount expires April 22nd. Please make room reservations direct at (714) 956-6425, or online at: https:// resweb.passkey.com/go/cfsei0509





Newsletter for the Cold-Formed Steel Engineers Institute

Board of Directors

President: Jeff Klaiman, P.E. Adtek Engineers, Virginia

Vice President: John Matsen, P.E. Matsen Ford Design Associates, Inc., Wisconsin

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Membership Information:

To receive the CFSEI Newsletter, Technical Notes, and other benefits of the CFSEI, call (866) 465-4732.

The CFSEI Newsletter is published by the SFA

The statements and opinion contained in this publication are those of the contributors and not necessarily of the Steel Framing Alliance (SFA), nor the contributor's employer or professional association. This publication is intended to provide a forum for the exchange of relevant information in the industry and the information is made available with the express understanding that the publisher does not render technical services. All technical matters should be evaluated by a qualified engineer before being relied on for any particular situation.

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CFSEI CHAPTER UPDATES



CFSEI Florida Chapter's newly installed officers and board members for 2009-2010 gathered for a photo at the Chapter's quarterly dinner meeting in Orlando, Jan. 29. Pictured from left, front row: Kenny Pagano, Immediate Past President; Robin Lowery, Events Manager; Julie Lowrey, Secretary; and Tamil Samiappan, Treasurer. Second row: Robert Kelzer; Bill Babich, President; and Barry Edie, Vice President. Not pictured: David Abernathy and Jennifer Zabik.

CFSEI Hawaii Chapter President Named Hawaii "Young Engineer of the Year"

Jeoffrey S. Cudiamat, P.E., who took over as President of the Hawaii Chapter of CFSEI Apr. 17 was recently recognized as the 2009 "Young Engineer of the Year" by the Hawaii Council of Engineering Societies.

Cudiamat was nominated for the honor by the CFSEI and the Filipino-American League of Engineers and Architects (FALEA) for his "outstanding achievements and contributions to his profession and community." CFSEI and FALEA are two of the fifteen engineers organizations that comprise the Hawaii Council of Engineering Societies. Will Wong, a recent CFSEI Hawaii Chapter Board Member, represents CFSEI on the Council.

Cudiamat succeeds Marvin Mestanza, P.E., as President of the Hawaii Chapter of CFSEI. Mestanza presently serves as Immediate Past President on the Hawaii Chapter Board following his year of service as President.Newcomers to the Board this year are Dean Doi, Secretary; Tim Goshi, Treasurer; and Glenn Isidro.

Atlanta/Southeast Chapter Update

Bill Holley with Infinity Structures, Inc. is the newest addition to the Chapter Board. The Chapters upcoming meetings include: May 7, Fire and Acoustics; Aug. 20, Lateral Building Systems and Design covering lateral building design, mixing other materials such as steel, masonry, concrete, CFS with hollow-core, and interaction with floor systems and diaphragm; and Dec. 3, Cold-formed roof systems ,trusses, decks, clips and hold-downs, nailable surfaces, fire ratings and diaphragm. Interested sponsors should contact info@cfsei.org.

Board Candidates

Continued from page 1

The Steel Network, Inc.

• Akira Usami, P.E.; Outside Sales Representative, Dietrich Metal Framing

"Each of these candidates has contributed significantly to coldformed steel framing design, the engineering community and CFSEI, and each would make an excellent addition to the Institute's Board," said Brian Ide, chairman of the Nominating Committee this year. "We are fortunate to have within the ranks Institute volunteers, and contributors, individuals with the leadership qualities and dedication necessary for serving on the Board. We are equally fortunate to have volunteers serving in different capacities, on CFSEI local chapter boards, committees and partner organizations in the engineering community that allows rotation of Board members and a diversity of backgrounds to be represented on the Board."

Members of the three-person CFSEI Nominating Committee serve three-year terms, and the other members this year along with Ide, of Allison-Ide Structural Engineers, LLC, were Rob Madsen, Devco Engineering, and Dr. Benjamin Schafer, Johns Hopkins University.

Completing their terms on the Board this Spring are Mike Pellock, Aegis Metal Framing; Perry Tabor, TEAC Engineers; and former CFSEI President Jeff Ellis, Simpson Strong-Tie.

"Mike, Perry and Jeff have been key participants in the implementation of the Strategic Plan developed for CFSEI several years ago, and they have all contributed to overall strategies," said Jeff Klaiman, President, CFSEI. "They have also led efforts behind the scenes such as Mike helping to launch the CFSEI Florida Chapter, Perry's lead role in the CFSEI Award for Innovative Design Program, and the countless

efforts championed by my predecessor, Jeff Ellis, who's contributions are numerous and far-reaching and will help shape CFSEI for many more years to come."

CFSEI members were sent electronic ballots to cast their votes, and the newest Board members will be installed at the CFSEI general membership meeting at the 2009 CFSEI Annual Conference in Anaheim, Calif. on May 21. When complete, members may either email or fax their ballot to CFSEI Headquarters at contact@cfsei.org or fax to 202-785-3856. Ballots should be received in the CFSEI headquarters office by 5:00 PM Eastern, on Friday, April 24.

If you are a CFSEI Member and did not receive or would like to request a replacement Ballot, and for any inquiries regarding the voting process or CFSEI governance, contact CFSEI Manager Brian Berger at bberger@cfsei.org.

Akira Usami, P.E.

Akira Usami is the Outside Sales Representative for the Hawaii territory of Dietrich Metal Framing. He has served the coldformed steel industry with Dietrich since 2001, when he moved back to the Hawaii. Usami is a registered Professional Engineer and provides technical assistance for Dietrich. He is a Director in the Hawaii Pacific Steel Framing Alliance, and served as president in 2007. Usami also serves or has recently served on the boards of the Building Industry Association of Hawaii, the Hawaii Chapter of the Cold Formed Steel Engineers Institute, and the Structural Engineers Association of Hawaii. He is currently a facilitator of AIA-registered, face-to-face, continuing education courses in cold-formed steel framing. Usami graduated with both a Master in Structural Design and Bachelor of Science in Civil Engineering from Washington University in Saint Louis, M.O.

Nabil A. Rahman, Ph.D., P.E.

Nabil A. Rahman, Ph.D., P.E. is the President of The Steel Network, Inc. in Durham, N.C. Dr. Rahman also serves as an Adjunct Associate Professor at the Civil Engineering Dept. of North Carolina State University. He is currently a member of the American Iron and Steel Institute (AISI) Committee on

Framing Standards (COFS) and the Committee on Specification (COS). Dr. Rahman is also a member of the ASCE-SEI Committee on Cold-Formed Steel. He has 20 years of experience in the design of cold-formed steel structures, development of engineering software tools as well as design and analysis of structures against progressive collapse.

Jay Larson, P.E., F.ASCE

Jay Larson, Managing Director, Construction Technical for the American Iron and Steel Institute (AISI) manages the planning, continuous improvement and implementation of the AISI Construction Technical Program, which includes AISI's longstanding and effective building code and standards development functions. He serves as Secretary for the AISI Standards Council and facilitates the AISI Steel Industry Code Forum. Larson previously served as Secretary of the AISI Committee on Framing Standards (COFS), and currently serves on the Board of Directors of the Building Seismic Safety Council and on the Steering Committee of the Wei-Wen Yu Center for Cold-Formed Steel Structures. He is a member of the ASCE-SEI Committee on Cold-Formed Steel, AISC Committee on Specifications, Construction Specifications Institute and SSRC Task Group on Thin

Walled Structures. Larson had 24 years of experience at Bethlehem Steel in technical marketing of construction products, facilities engineering and product development before joining AISI in 2003. He earned his B.S. and M.S. degrees in Civil Engineering at Lehigh University. He is a registered Professional Engineer in Pennsylvania and a Fellow in the American Society of Civil Engineers.

Ed Kile, P.E., S.E.

Winston E. (Ed) Kile, P.E. is the Principal Engineer for Structuneering, Inc. in Houston, TX. He has 39 years of experience working for metal building companies and as a consulting engineer. Kile is a licensed P.E. or S.E. in 47 states. He serves as Chair of the ASCE-SEI Technical Committee for Cold-Formed Members, and also serves on AISI Committee on Specifications (COS) subcommittees and on the CFSEI Lateral Task Group. Structuneering was founded in 1984 as Kile Engineering, and specializes in the design of cold-formed metal framing and metal roofing for commercial and residential applications. Kile earned a M.S. in Civil (Structural) Engineering from the University of Illinois and M.S. in Industrial Administration from Purdue University.

Salifornia Steel Framing Forum and CFSEI National Annual Conference

Glance

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Schedule at

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Schedule Time	1:00-1:50 PM	1:55-2:45 PM	2:45 PM	3:10-4:00 PM	4:05-4:55 PM	5:00-6:00 PM	6:30 to 9:00 PM	
Wed. May 20	W1A – Cold-Formed Steel Framing Standards and other Resources By: Maribeth Rizzuto, LEED AP (1.0 LU/HSW) W2A - Lateral Changes UBC to IBC Transition in Cold-Formed Steel By: Annie Kao, P.E. (1.0 LU/HSW)		B R E A K	W3A - Inspection of Cold-Formed Steel Framing Systems - The "Inspectors Checklist" By: Lou Zylstra P.E. (1.0 LU/HSW) W4A - Don't be Confused, a Cold- Formed Steel Truss is a Truss! By: Lou Zylstra P.E. (1.0 LU/HSW) W5A - Sustainability and Green Building with Cold-Formed Steel Framing By: Maribeth Rizzuto, LEED AP (1.0 LU/HSW)			Fajita Reception	
Industry Meetings	12:30 – 4:00 PM: CFSEI Board Meeting and Strategic Planning Session 4:00 – 6:30 PM: CFSEI Lateral Task Group 5:00 – 6:30 PM: CFSEI Fire & Acoustic Task Group							

Thurs., May 21 - Engineering and Design Day: Be on the cutting edge of today's steel framing industry!

Schedule Time	8:15-9:30 AM	9:45-11:00 AM	11:15-12:30 AM	12:30- 1:30PM	1:45-3:00 PM	3:15-4:30 PM	4:30 - 9:30 PM
Thursday May 21 Table Top Exhibits Open 7:00 AM	Overview of Cold- Formed Steel Design and Changes to the AISI Specification (\$100) By: Roger LaBoube Ph.D., P.E. (1.25 LU/HSW)	Introduction to Section D4 Cold-Formed Steel Light-Framed Construction of \$100-2007 By: Roger LaBoube Ph.D., P.E. (1.25 LU/HSW)	FEMA P695 (ATC63) R- Factor Determination for Corrugated Steel Shear Wall Assemblies By: Steve Tipping, S.E., and Greg Deierlein, Ph.D., P.E.	L N C H	Seismic Example for Cold- Formed Steel using AISI \$213- 2007 By: David Garza, S.E. (1.25 LU/HSW)	Design for Irregularities and Perforations in Cold-Formed Steel Lateral Systems By: Doug Thompson, S.E. (1.25LU/HSW)	4:30 PM Network Reception 5:45 PM CFSEI Annual Meeting 6:30 PM Dinner with Keynote Speaker: Peter Navarro
	Sound issues in Cold-Formed Steel! How It Happens and How to Fix It By: Elzo Gernhart (1.25 LU/HSW)	CFSEI Technical Note on Wind Design (MWFRS & C&C) in Cold-Formed Steel Design By: Bryan Wert, P.E. (1.25 LU/HSW)	How to Insulate Cold- Formed Steel and Comply with Title 24 of the Calif. Building Code By: Rob Cronk (1.25 LU/HSW)		Fire Assemblies Using Cold- Formed Steel Framing By: Ray Frobosilo & Greg Miller (1.25 LU/HSW)	Building Information Modeling (BIM) By: Behzad Sanikhtam (1.25 LU/HSW)	



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www.steelframing.org

Engineering Community News

ASTM Standards Initiative to Advance Forensic Engineering Profession

ASTM International, one of the largest voluntary standards development organizations in the world, has announced the formation of ASTM Committee E58 on Forensic Engineering. Committee E58 will develop standards that promote awareness of scientific, engineering, ethical and legal considerations inherent in forensic engineering investigations, reporting and testimony.

Bringing Engineering Reason to the Dispute Resolution Process

Forensic engineering focuses on the investigation of alleged defects in materials, products, structures and components. These cases are litigated on the premise that the defects cause personal injury or damage to property. Forensic engineering investigations help determine the causes of these events and assist the disputing parties or the court in resolving the case.

Assisting the Court through Consensus Standards

ASTM Committee E58 comes together to create important standards and guides that will support the judicial process by facilitating an improved understanding of forensic engineering practices and

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associated technical issues. This would enable the court to resolve disputes in a more well-informed and efficient manner, with deeper knowledge of the technical data, sound engineering analysis and testimony of forensic engineers.

E58 Standards: Guiding Forensic Engineering Practice

E58 standards will guide forensic engineers in conducting investigations in a robust manner while protecting overall public safety. The initial scope of Committee E58 activities will be driven by various subcommittees. ASTM Committee E58 will build upon the body of work of former subcommittee E30.05 on Forensic Engineering. E30.05 standards will move under the jurisdiction of Committee E58.

Foundation Standard for the Forensic Engineering Profession

Other E58 standards will bolster the role of forensic engineering professionals in the eyes of the court and other users of these services. Consistent with this objective, Committee E58 drafted a general practice document for the forensic engineering profession, titled Standard Guide for the Practice of Forensic Engineering. It is intended to further educate the court about forensic engineering, the typical elements of its practice and the roles and qualifications of engineers. Comments and questions should be directed to Tim Brooke, ASTM asst. vice president of technical committee operations at tbrooke@astm.org or visit www.astm.org/COMMIT/E58.htm.

Call For Speakers & Abstracts

2009 Annual NCSEA Conference. Structural Engineers Association of Arizona (SEAoA) is now accepting applications for presentations at the 2009 Annual NCSEA Conference. The theme of this year's Annual NCSEA Conference is "Learning from Experience." Presentations will be focused on preferred detailing and analysis methods for various structural materials and components, including examples of unsatisfactory results when less-than-preferred methods are employed. Presentations need not focus solely on failures, but they should educate young and experienced engineers alike, based on specific incidents. 1-1.5 hours of technical material is requested.

Download a Call for Speakers form plus other details, including presentation schedule and deadlines, at SEAoA's website www.seaoa.org. The Call for Speakers form must be submitted to SEAoA / NCSEA by June 1, 2009. On July 1, 2009, SEAoA will notify selected speakers. Final outline and materials will be due July 31st. NCSEAAnnual Conference will be held October 16-17, 2009 in Scottsdale, AZ.

Benefits include complimentary access to the conference presentations during the day of the presentation, plus breakfast and lunch, as well as free Diamond Review of presentation.

Steel Structures 2010: Culture & Sustainability International Symposium European Convention for Constructional Steelwork (ECCS) organized event, Sept. 20-22, 2010 in Istanbul, Turkey. Co-organized with the support of Steel Framing Alliance and CFSEI, the Deadline for Submission of Abstracts is Nov. 9, 2009. Visit http://www.sscs2010.com/ for additional information, key dates and Symposium brochures.

Cold-Formed Steel Engineers Institute



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