

SEAI NEWSLETTER

February 2007



Structural Engineers Association of Idaho

P.O. Box 8733, Boise, ID 83707

www.seaidaho.org

SEAI Mission Statement:

"To promote and enhance the Structural Engineering profession in Idaho by educating the public about the activities of Structural Engineers and their benefit to society and by providing professional development and support to SEAI members that is relevant, reliable, and inspirational to modern engineering practices."

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SEAI MEETING — FEB 20TH



SEAI holds regular meetings every third Tuesday of the months September thru June.

Please RSVP with entrée selection to Wilson Antoniuk at antoniw@trusjoist.com or 395-2458 by noon the Friday before the meeting.

We will turn no one away at the door, but if we do not receive your RSVP on time we cannot guarantee that there will be any food for you to eat! Please note that, regardless of whether you eat or not, you will still need to pay meeting fees, so get those RSVP's in! **Also, if you RSVP and decided not to show, Murphy's will still charge SEAI for your lunch and SEAI will politely pass this charge on to you.**

HAVE A SUGGESTION FOR A MEETING?

If you have any suggestions for future speakers, items of discussion or anything else that you think would be beneficial to the structural engineers attending SEAI meetings, please send your comments/ideas to Wilson Antoniuk by email at antoniw@trusjoist.com or by phone at 395-2458.

Meeting Location:

Murphy's Seafood & Steakhouse
1555 Broadway Ave.
Boise, ID 83705

Food Entrées:

- 1) Chicken Caesar Salad
- 2) Whiskey Chicken
- 3) Beef Chop Burger

Meeting Focus:

Progressive Collapse: Steel Structures

Speaker:

Ron Hamburger (see www.seaidaho.org for more info)

Schedule:

Social:	11:45 am – 12:00 pm
Lunch:	12:00 pm – 1:00 pm
Program:	12:00 pm – 1:00 pm

Cost Per Person:

Member:	\$15
Non-Member:	\$20
Full Time Student:	\$10

TR Higgins Lecture: Ronald O. Hamburger, SE

A structural engineer and senior principal with Simpson Gumpertz & Heger in San Francisco, Mr. Hamburger has more than 30 years of experience in structural design, evaluation, upgrade, research, code and standards development, and education. Mr. Hamburger serves as chair of the BSSC's Provisions Update Committee, AISC's Connection Prequalification Review Panel, and is Vice-Chair of the AWS D1.1 Seismic Task Committee. He is a member of the ASCE-7 standards committee and Chairs its General Criteria Task Committee. Mr. Hamburger was a member of the joint FEMA/ASCE Building Performance Assessment Team that studied the collapse of New York's World Trade Center on September 11, 2001 and served as a key member of the NIST team that performed more detailed evaluations of this disaster. Presently, he is a member of a team developing an AISC Design Guide on *Design of Steel Structures for Blast and Progressive Collapse Resistance*.

TR Higgins Paper:

Mr. Hamburger's paper entitled "*Alternative Methods of Evaluating and Achieving Progressive Collapse Resistance*" describes the inherent characteristics and mechanisms that enable steel structures to resist progressive collapse when subjected to extraordinary loading and damage. It reviews common techniques used to evaluate the progressive collapse resistance of steel structures, errors associated with some of them, and suggests improved ways to evaluate and design steel structures for progressive collapse resistance.



ASK A CONSTRUCTION LAWYER

ATTORNEY FRANKLIN G. LEE

QUESTIONS WANTED

Frank Lee is an attorney and partner at the local law firm of Givens Pursley LLP who focuses his practice on real estate, construction and land use law.

NOTE: THIS COLUMN ADDRESSES GENERAL LEGAL ISSUES ONLY. IT WILL NOT BE LEGAL ADVICE TO YOU AND SHOULD NOT BE RELIED ON AS SUCH. IF YOU WANT LEGAL ADVICE, YOU WILL NEED TO HAVE A DIRECT CONSULTATION WITH A LAWYER. THE COLUMN IS NOT INTENDED TO CREATE, AND DOES NOT CREATE, A LAWYER-CLIENT RELATIONSHIP. YOU SHOULD NOT ACT UPON ANYTHING IN THIS COLUMN WITHOUT SEEKING PROFESSIONAL COUNSEL

DO YOU HAVE A LEGAL QUESTION THAT WOULD BE OF INTEREST TO THE STRUCTURAL ENGINEERING COMMUNITY?

Submit it to sarah.mcclendon@mcm-eng.com with "Ask a Construction Lawyer (c/o Sarah McClendon)" in the subject line or by fax to (208) 342-4216. Although you will not receive a personal reply, your question may be addressed and published as part of this column. All questions will be anonymous, unless specifically directed otherwise.

GET INVOLVED WITH YOUR NEWSLETTER!

The SEAI Newsletter is a monthly publication. Newsletter submissions are encouraged from the SEAI community. If you have a suggestion, feature, link, product review or anything else that may be of interest to the newsletter readers, please email them to our newsletter editor, David Sansotta, at david.sansotta@ehmengineers.com

STRUCTURES MAGAZINE!

As part of your SEAI membership you should be receiving **STRUCTURE® magazine** in the mail every month. If you are not, please verify that you have paid your SEAI dues this year and then send your name and mailing address to Sarah McClendon at sarah.mcclendon@mcm-eng.com



**WISH TO PLACE AN AD
IN THE NEWSLETTER?**

If so, please contact our Treasurer, Brian Garner, at bgarner@callengineering.com or at 321-2656.

Monthly Rates for Advertising

- Standard Business Card.....\$50
- Quarter Page.....\$90
- Half Page.....\$120
- Full Page.....\$150

10% discount for ads running multiple months



Announcements:

SEAI OFFICER ELECTIONS

It is that that time of year again to start thinking about running for an SEAI office position. Elections are just around the corner with ballots will being mailed out in April. If you or someone you know is interested in running just contact a current board member and give them your information, you can even nominate yourself!

HAVE AN INTEREST IN STRUCTURAL ASSESSMENT AFTER DISASTERS?

SEAI has been asked to form a Structural Engineers Emergency Response (SEER) Committee Program. Volunteers will need to complete the SEER training program and then they will be placed on the national SEER committee data base. After successful completion of the training course you could be called to help in the structural assessment of buildings after earthquakes, hurricanes, terrorist attacks, etc. across the nation. If interested, please send your contact information to sarah.mcclendon@mcm-eng.com.

2007 SEA NORTHWEST CONFERENCE

The 2007 SEA Conference will be held on September 13th-15th at the Seattle Sheraton in Seattle, WA. More details will be coming as soon as the plans are finalized by the local Washington chapter.

SEA NORTHWEST CONFERENCE & WCSEA MEETING — SUMMER 2008

The 2008 Northwest Structural Engineers Association Conference will be held in beautiful Sun Valley, Idaho. Thank you to all of those who have volunteered, and if you are interested in volunteering please contact Chris Holladay at cholladay@ahjengineers.com to see which committees are in need of some extra assistance.

The Structural Engineers Association Northwest Conference and Western States Roundup are to be hosted by the Idaho Chapter during the summer of 2008. This event will be a three day conference combining SEA Board Meetings, technical programs, vendor exhibits, social events, and recreational events all hosted by SEAI. This is a well attended event that brings in structural engineers from Idaho, Washington, Oregon, and British Columbia. Keep checking the Newsletter each month for updated information.

IDAHO ASSOCIATION OF BUILDING OFFICIALS WEBSITE

The IDABO website has been updated with the following information for the cities and counties of Idaho: snow loads, frost depth, wind loads, wind exposure, seismic design category, live loads, and jurisdiction websites. Use this link for easy access to design information for structures in Idaho: <http://www.idabo.org/loads.htm>

LET YOUR MEMBERSHIP WORK FOR YOU!

Please feel free to contact our board members with ideas or suggestions for program/speaker

topics or how SEAI can better represent the Structural Engineers of Idaho.

EVENT CALENDAR

(EVENTS ARE SUBJECT TO CHANGE)

- February 20:** Ron Hamburger – Progressive Collapse: Steel Structures
- March 20:** Tony Young – NWCMA Masonry Code Update
- April 17:** **Full Day Seminar: S.K. Ghosh – Transitioning from the 2003 IBC to the 2006 IBC**
- May 15:** Dave Curtis - Responsible Charge



Check out this interesting link:

<http://www.engineeringsights.org/>

This site has a record of engineering sites located throughout the country. If you are going to be traveling and want to see what is along the way, take a look and maybe even take a picture to send into your newsletter.

Engineering problems are under-defined; there are many solutions, good, bad and indifferent. The art is to arrive at a good solution. This is a creative activity, involving imagination, intuition and deliberate choice.
- Ove Arup

STRUCTURAL ENGINEERING LINKS

FEATURED LINK: *“Structures are held up by both luck and skill”* By Ken Carper
<http://www.djc.com/special/const97/10023874.htm>

Applied Technology Council - <http://www.atcouncil.org>

Idaho Board of Professional Engineers and Land Surveyors - <http://www2.state.id.us/ipels/>

City of Boise Sp. Insp. Checklist – http://www.cityofboise.org/pds/applications/Building/Special_Inspections.pdf

Design Build Magazine (McGraw-Hill) - <http://www.designbuildmag.com/>

Engineering & (Bi-Weekly Newsletter) - <http://www.engineeringand.com>

Engineering Forum - <http://www.eng-tips.com/>

Structural Engineers Association International - <http://www.seaint.org/>

Structural Engineers Association of Utah - <http://www.seau.org/>

Structural Engineers Association of Washington - <http://www.seaw.org/>

Structural Engineers of Oregon - <http://www.seao.org/main.htm>

Structural Engineers of Idaho - <http://www.seao.org/main.htm>

National Council of Structural Engineers Association - <http://www.ncsea.com>