



SEAC

GENERAL NOTES

Structural Engineers Association of Colorado Newsletter

MARCH GENERAL MEETING

Schedule

Mark Your
Calendar
(2009)

General Membership Meetings

(Breakfast 7:30 a.m.)
January 15
March 19
May 21
July 16
September 17

Business Practice Committee Meetings

(Breakfast 7:30 a.m.)
February 12
April 9
June 11
August 13
October 8

SEAC Board of Directors Meetings

(7:30 a.m.)
January 8
February 5
April 1
June 4
August 6
October 1

Annual Dinner Banquet

Date TBD
6 - 9 p.m.

Non-Destructive Test Methods Used on Structural Steel

Mr. Ray Reed will provide a short overview of the basic non-destructive test methods used for insuring quality on structural steel connections, including capabilities and limitations of each technique. He will include a discussion of what kind, and how much inspection you should specify in order to obtain the overall quality you expect in the workmanship of these connections. This presentation will also provide guidance in the selection of the testing agency, and how this selection process impacts your overall confidence that upon completion of construction the structure is fabricated and erected in accordance to the contract documents with respect to quality.

Mr. Ray Reed currently is Owner and President of CTC-Geotek, Inc., a major Denver based testing, inspection and engineering laboratory. He has ultimate responsibility for all testing and inspection services offered by CTC-Geotek. Mr. Reed is the Principal-in-Charge of CTC Geotek's Commercial Construction Inspection and Quality Assurance Programs. This activity requires a detailed knowledge of the appropriate codes, standards, and contract specifications, as well as proper interpretation of each. Development of quality control specifications and programs for major multi-story structures, optimizing welded joint design, erection, and geometric control of high-rise structures are areas performed under Mr. Reed's direction.

Mr. Reed has written technical articles and taught courses for a wide variety of topics related to inspection and testing of structural steel as well as structural condition assessment of existing buildings. He cosponsored and taught courses in "Magnetic Particle Testing" in conjunction with the Denver Chapter of ASNT, and taught "Limitations of NDT Techniques" for the American Welding Society.

Due to his extensive background in the erection procedures of high-rise steel buildings and experience in troubleshooting potential problem areas on major projects, Mr. Reed is often employed as a special consultant for problems encountered during the erection phase. This specialized knowledge is indispensable in the area of failure analysis where the cause of a complete collapse, or isolated member or joint failure, may be associated with the erection procedures or joint design.

Don't Miss Out - March General Meeting

Date: Thurs. March 19, 2009
Speaker(s): Ray Reed, CTC-Geotek
Location: Renaissance Denver Hotel
3801 Quebec Street
(South of the I-70 Quebec Intersection)

Please e-mail your reservation to
Caryn at: seac@martinmartin.com.
**Reservations MUST be made By
Monday, March 16, 2009**

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Information for inclusion in the newsletter must be received one month prior to the next general meeting.

Caryn L. Bauer
SEAC Executive Assistant
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President's Message

We are off to a great start this year. We had record attendance at our General Membership Meeting in January. Our speaker, **Dr. Tarek Alkhrdaji**, with Structural Preservation Systems, did an excellent job of presenting issues related to strengthening of concrete structures and in particular the use of FRP. Also thanks to **Joel Levenberg**, of Structural Group, for helping to arrange for this speaker. Very good feedback was received from the attendees regarding this great presentation.

One of the first tasks of the new board is to develop and approve a budget for the year. Page 5 of this newsletter shows the 2009 budget approved by the board along with data for the past two years. We experienced losses in 2006 and 2007 and then a fairly large income for 2008, primarily due to publication activities. 2006 and 2007 were years where we were investing in the Building Department Survey and the Snow Load Map, and although we started selling these in 2007, we did not have significant income till 2008. We expect publication sales to be much lighter in 2009. Most of our budget items in other areas we expect to be similar to 2008 with the exception of the website. We plan to invest in the website this year with a redesign. The new website will allow for publication sales and dues payments on-line and will be set up to be easy to maintain and keep up-to-date with our activities.

In addition to our traditional breakfast meetings, I would like to try some new activities or meeting

formats this year. Ideas being tossed around include tours of construction sites, tours of fabrication plants, webinars for smaller groups, and a meeting or activities for members outside the Metro Denver area. Which of these ideas the Board and I focus on will depend on the level of interest we perceive and feedback we receive. So please let me know if you have an interest or idea in any of these areas.

Looking for a short term commitment? Often times we don't volunteer for things because we are concerned about getting stuck year after year on a committee. There is an opportunity right now to join the Education Committee which is just gearing up to plan the Fall Seminar. This commitment would last from mid-March to mid-October, only 7 months! There are three members on the committee already, who all have experience on our previous seminars. We want to add two more people to this committee to help out. If you have an interest or questions, please contact me.

See you at the March meeting!

GENERAL NOTES - ANNOUNCEMENTS

MARCH-GENERAL MEETING SPONSOR

NUCOR

VULCRAFT GROUP

Vulcraft is a division of Nucor Corporation – the largest steel producer in the United States and the world’s largest recycling company. The Vulcraft division is the nation’s largest manufacturer of open web steel joists and joist girders with seven manufacturing facilities. These plants have a combined capacity of 715,000 tons annually. Steel deck is manufactured in nine facilities including Verco Decking, Inc., which is a wholly owned subsidiary of Nucor Corporation. Steel deck capacity is 570,000 tons. Vulcraft obtained 99% of its steel requirements for both steel joists and deck from the 11 Nucor Steel bar mills and 4 Nucor Steel sheet mills in 2005 and 2006. Steel used for joist production contains over 99% recycled materials. Steel sheet used for steel deck production contains 70% recycled materials. With manufacturing facilities nationwide, steel joists and steel deck can be manufactured within 500 miles of almost any project site, helping to meet LEED requirements.

Vulcraft has 9 employees located in the Denver sales office including 3 engineers to assist local engineers and steel fabricators in the use of our products. The local Vulcraft office also handles estimating, project management and detailing for Colorado and most of Wyoming. All steel joists and steel deck delivered to Colorado is manufactured at the Norfolk, Nebraska manufacturing facility.

Thank You!

JANUARY-GENERAL MEETING SPONSOR



JANUARY MEETING PHOTOGRAPHS'S



Elizabeth Jones, President, presents Award to Jim Harris honoring his appointment to Life Member with SEAC



Dr. Tarek Alkhrdaji, January Speaker.

In The Spotlight

Scholarship Committee

SEAC has established a permanent scholarship endowment fund to award a scholarship each year to a civil or architectural engineering upperclassman who intends to practice structural engineering in Colorado after graduation. The SEAC Scholarship Fund is looking for volunteers for the Recipient Selection Committee. The Selection Committee will review applications, conduct interviews, and select the scholarship recipient. If you are interested, please contact Stan Neujahr at stanneujahr@neujahrgorman.com.



The 2009 Membership Roster will be released this month. Please take a moment to review your information. If any changes need to be made, please send an email to seac@martinmartin.com.

Thank you

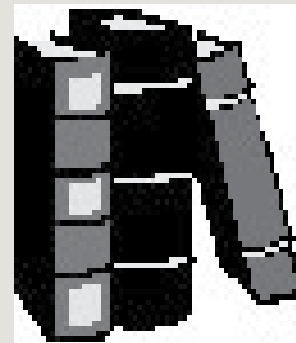
Welcome

Please WELCOME our newest members to SEAC

Gregory J. Arbour (Professional Member)
KLG Corporation

Patrick J. Kervin (Professional Member)
Anchor Engineering, Inc.

Carl V. Scott (Professional Member)
Carl Scott Engineering, L.L.C.



PUBLICATIONS FOR SALE

2007 COLORADO GROUND SNOW LOAD REPORT & MAP
Price: \$75 (members)

A GUIDE FOR CONSULTING STRUCTURAL ENGINEERING SERVICES: A RECOMMENDED STANDARD OF PRACTICE
Price: \$25 (members) and \$50 (non-members)

2006 SURVEY OF COLORADO BUILDING DEPARTMENTS
UNIT PRICE: \$50.00
CD: \$100.00

Contact Caryn Bauer at:
seac@martinmartin.com for order forms.

GENERAL NOTES - ANNOUNCEMENTS

<i>INCOME</i>	PROPOSED 2009 BUDGET	2008 ACTUAL	2008 BUDGET	2007 ACTUAL
ADVERTISING	\$400.00	\$600.00	\$600.00	\$800.00
FEES: ANNUAL DINNER	\$2,800.00	\$2,925.00	\$2,500.00	\$2,800.00
DUES: BUSINESS PRACTICE COMMITTEE	\$1,000.00	\$1,000.00	\$1,080.00	\$1,080.00
DUES: MEMBERSHIP DUES (210/36)	\$27,360.00	\$28,950.00	\$31,200.00	\$27,280.00
INTEREST INCOME	\$650.00	\$714.98	\$1,000.00	\$906.48
MISCELLANEOUS				
SALES: BREAKFAST SPONSORS	\$5,000.00	\$6,000.00	\$5,000.00	\$3,000.00
SALES: ANNUAL DINNER SPONSOR	\$0.00	\$0.00	\$2,000.00	\$2,000.00
SALES: BUILDING DEPARTMENT SURVEY	\$400.00	\$1,631.00	\$250.00	
SALES: SNOW LOAD REPORT	\$1,000.00	\$9,762.00	\$5,000.00	
SALES: STANDARDS OF PRACTICE	\$150.00	\$315.00	\$250.00	
SALES: PUBLICATION SALES				\$5,615.00
FEES: PAST PRESIDENTS BREAKFAST		\$0.00		\$400.00
FALL SEMINAR SPONSOR	\$3,000.00	\$1,500.00		
FALL SEMINAR INCOME	\$8,000.00	<u>\$12,850.00</u>	\$7,500.00	<u>\$7,175.00</u>
TOTAL	\$49,760.00	\$66,247.98	\$56,380.00	\$51,056.48

<i>EXPENSES</i>				
ADMINISTRATIVE ASSISTANT	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00
AWARDS	\$650.00	\$756.25	\$600.00	\$796.51
COMMITTEE EXPENSES	\$250.00	\$0.00	\$500.00	\$2,100.00
NCSEA CONVENTION	\$3,000.00	\$2,615.74	\$3,400.00	\$3,272.44
CONTRACT LABOR - Salary Survey	\$900.00	\$840.80	\$1,000.00	\$662.40
MEETINGS: ANNUAL DINNER	\$6,000.00	\$7,648.81	\$6,000.00	\$6,736.24
MEETINGS: BUSINESS PRACTICE	\$1,300.00	\$1,120.88	\$2,000.00	\$1,977.11
MEETINGS: GENERAL MEMBERSHIP	\$8,000.00	\$10,605.18	\$8,000.00	\$4,069.46
MISCELLANEOUS	\$600.00	\$596.70	\$500.00	\$150.00
OFFICE SUPPLIES	\$500.00	\$94.67	\$400.00	\$200.00
NCSEA DUES	\$5,000.00	\$5,024.00	\$4,200.00	\$4,005.00
NCSEA COMMITTEES	\$1,000.00	\$581.51		
POSTAGE	\$800.00	\$907.09	\$1,000.00	\$151.98
PRINTING: BUILDING DEPARTMENT SURVEY	\$0.00		\$0.00	\$4,068.39
PRINTING: SNOW LOAD	\$0.00	\$4,587.40	\$4,100.00	\$1,618.00
PRINTING: MEMBERSHIP BINDERS	\$225.00	\$136.10	\$500.00	\$182.61
QUALIFICATIONS BASED SELECTION	\$0.00	\$1,200.00	\$1,300.00	\$1,200.00
FALL SEMINAR	\$8,000.00	\$11,463.00	\$6,000.00	\$7,076.63
PAST PRESIDENT'S BREAKFAST	\$0.00	\$0.00		\$578.88
WEB SITE	\$4,500.00	\$344.00	\$500.00	\$1,112.00
IRS NON-PROFIT FILING	\$0.00	\$0.00	\$0.00	\$750.00
ACCOUNTANT	\$900.00	\$1,593.99	\$2,000.00	\$2,250.00
TOTAL	\$50,625.00	\$59,116.12	\$51,000.00	\$51,957.65

NET INCOME	-\$865.00	\$7,131.86	\$5,380.00	-\$901.17
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