



SEAC

GENERAL NOTES

Structural Engineers Association of Colorado Newsletter

MARCH GENERAL MEETING

GEOTECH. 101 FOR STRUCTURAL ENGINEERS

Schedule

Mark Your Calendar
(2007)

General Membership Meetings

(Breakfast 7:30 a.m.)
January 25
March 15
May 17
July 19
September 20

Business Practice Committee Meetings

(Breakfast 7:30 a.m.)
February 8
April 12
June 14
August 9
October 11

SEAC Board of Directors Meetings

(7:30 a.m.)
January 11
February 7
April 4
June 6
August 1
October 3

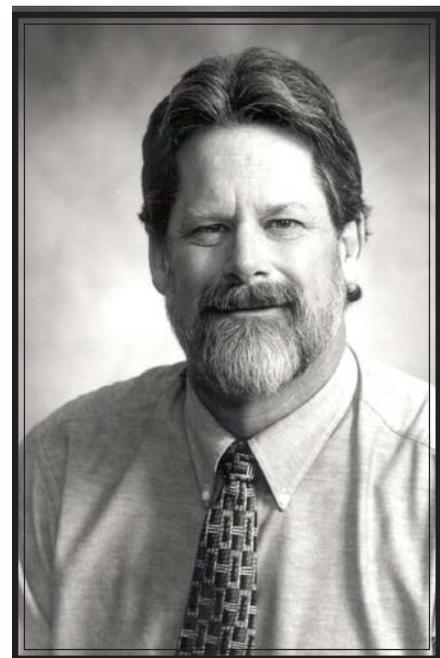
Annual Dinner Banquet

November 15
6 - 9 p.m.

Al Claybourn will make a short presentation about QBS (Qualifications Based Selection). The local Colorado chapters of AIA, PEC, and ACEC formed QBS Colorado. CAGE subsequently joined, and Al, a Past-president of CAGE, currently sits on the board of QBS on behalf of CAGE. Al was responsible for soliciting the involvement of SEAC in QBS. He will describe what QBS is, along with some recent accomplishments. This portion of the program will be kept brief (5 to 10 minutes).

The remainder of the program will present Al's perspective of what structural engineers might want to know about local geotechnical practices. He will give an overview of exploration techniques; fill density testing, swell-consolidation testing, and how estimated settlement of footings is calculated. A portion of the presentation will be a general discussion on development of design parameters for shallow and deep foundations, floor slabs, and foundation and retaining walls. There

will also be a discussion on topics where sometimes there is a disconnect between the geotechnical and structural engineers, such as ultimate versus allowable design criteria, and how factors of safety are incorporated into typical geotechnical recommendations.



Al Claybourn, P.E.
Kumar & Associates

Don't Miss Out - March General Meeting

Date: Thurs. March 15, 2007
Speaker(s): Al Claybourn, Kumar & Associates
Location: Renaissance Denver Hotel
3801 Quebec Street
(south of the I-70
and Quebec intersection)

Please e-mail your reservations to **Caryn** at:
seac@martinmartin.com. **Reservations MUST be made By 12:00 pm - Monday, March 12, 2007.**

Officers & Board Members



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WWW.SEAColorado.org

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

There has been a lot going on behind the scenes with our organization. I want to give an update on some of the more significant activities. Two issues that have generated a lot of inquiries is the status of the Building Department Survey and the Snow Load publication.

The Building Department Survey went to the printers the third week of February and it will take about two weeks for printing and binding. It was held up because there were a few building departments that the committee had not received a response from that they felt should be included in the publication. It should be ready for distribution mid-March and we hope to have them available at the March meeting. Caryn will notify everyone by e-mail as soon as they are available.

The Snow Load Survey ran into a snag during the review process. There was a concern with the method that was used to statistically analyze the data. The snow load values that were derived for eastern Colorado were lower than what was felt appropriate and some of the snow load values for the mountain regions were overly conservative. **Jim Harris** and **Dick Cunningham** have spent quite a bit of time researching the best way to interpret the data and they met on February 23, 2007 to determine the appropriate statistical method to use. They are trying to follow the methods that were used to establish the wind and seismic standards. The data will then need to be re-analyzed and then any changes will need to be made to the publication. We expect that it will take a month or so for all of this to happen and are estimating that the publication will be available the middle to end of May. Again, Caryn will notify everyone by e-mail when it is available. We appreciate your patience and apologize for the delay but we do not want to publish a document that we feel is flawed.

Mr. Bob Voiland, a Life member of our organization, approached Mr. **Bob Hunnes** about the possibility of creating a SEAC scholarship. There was a meeting on February 28, 2007 to discuss the possibility of starting a scholarship endowment fund and we are moving forward to establish this fund. We are trying to create a fund that has enough money to provide a meaningful scholarship and avoid having to raise money every year for the scholarship. We will be asking for donations from our members and firms to help establish this fund. Please contact a member of the Board of Directors or myself if you are interested in being involved in serving on a committee to establish this scholarship.

This will be the first month that we will have a sponsor for our breakfast meeting. Sponsorship for our breakfast meeting will help bring in some additional money to allow the organization to fund more endeavors such as the Snow Load Publication and Building Department Survey without a substantial increase in dues. **We want to thank Lam-Wood Systems, Inc. for sponsoring our March meeting.** If anyone knows someone who is interested in sponsoring one of our breakfast meetings they should contact **J.R. Barker** with Structural Consultants, Inc.

Many of our other committees are active and providing worthwhile support for the structural engineering community. If you are not involved on a committee, I encourage becoming active. The more participation we have from our members the stronger our organization is. You can find a list of the committees on the web site. If you have an interest in a committee don't feel shy. Call up the committee chairman and become involved.

Welcome

Please welcome our newest members to SEAC:

Beth Tosti - (Professional Member)
Parametrix Consulting

Jennifer S. Davis - (Affiliate Member)
J.R. Harris & Company

Volunteers Needed

SEAC Ad Hoc committee on Special Inspection

The City and County of Denver, Community Planning and Development Division, has requested the help of SEAC in their efforts to develop and implement some basic requirements and/or a certification process by which Special Inspectors can “demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.” (see IBC Chapter 17).

As such, the Denver Building Department Liaison committee is seeking SEAC members who are interested in serving on an Ad Hoc committee to develop and make recommendations to the City and County of Denver in this regard.

Stan Welton with Martin/Martin, Inc. is going to chair this Ad Hoc subcommittee of the Denver Building Department Liaison committee, and Stan hopes to begin meeting in the spring of this year. If you are interested in serving on this Ad Hoc committee, please contact Stan Welton at swelton@martinmartin.com.

JANUARY BREAKFAST MEETING

The January breakfast meeting was a joint meeting between SEAC and the Rocky Mountain Steel Construction Association. We would like to thank **RMSCA** for providing the breakfast. The topic was “Improving the Structural Steel Shop Drawing Process”, which has been the recent focus of the SEAC/RMSCA Liaison Committee. Over 100 engineers, steel fabricators, detailers, and erectors attended this event. If you were not able to attend you missed a great seminar and a chance to interact with the members of the RMSCA. Thank you to **Richard Huddleston** of Zimkor LLC, **Jules Van de Pas** of Computerized Structural Design, and **Bruce Wolfe** of Structural Consultants, Inc. for the time they spent in preparing their presentation. Topics addressed included the purpose and normal process for structural steel shop drawings as well as common problems and recommendations to improve the process. The “White Paper” that was prepared for this topic will be available on our web site.



Bruce Wolfe of Structural Consultants, Inc. was one of 3 speakers at the January General Meeting held jointly with RMSCA.

GENERAL NOTES - *Keep them CLASSIFIED!*

Structural Engineers Association of Colorado Newsletter Classified Section
& Other General Announcements

REDWINE ENGINEERS

Redwine Engineers Inc. is a 17-person structural engineering firm, which has provided services to the commercial, institutional and residential sectors for over 24 years.

The Denver office is seeking candidates for Project Engineer, Project Manager or Senior Project Manager. Qualified PE's require 4-8 years; Project Managers 8-20 years. A BSCE or BSAE degree is mandatory; MSCE is preferred.

Engineers at REI perform structural analysis and design, including gravity, lateral, and connections and work in all structural materials relying heavily on engineering/drafting software, including BIM. REI provides an excellent opportunity for personal growth and future advancement. FAX Resumes to 303-575-9515.

NUCOR VULCRAFT GROUP

DISTRICT SALES ENGINEER
VULCRAFT, A Division of NUCOR Corporation, the nation's largest manufacturer of open web steel joists and steel deck, has an opening for a civil / structural engineer in the Denver District Office. We are seeking an individual with a BSCE or similar and EIT with an interest in technical sales of engineered products. We offer a small office environment with the industry leader, and opportunities for advancement nationwide. VULCRAFT offers a comprehensive salary and benefit package.

Email to: dhenley@vulcraft-ne.com
VULCRAFT SALES CORPORATION
2140 S. Ivanhoe Street, Suite G9
Denver, CO 80222
Phone 303-757-6323
Fax 303-757-6324



We seek to hire talented structural engineers with 0-10 year's related experience and BSCE, BSAE, MSCE or MSAE Degree with focus on structures. If you are highly motivated, possess strong technical and communication skills, and are passionate about your career, we offer an environment in which you can thrive.

Our employees enjoy a competitive salary, incentive bonuses, 401-k contributions and company stock ownership benefits as well as generous vacation and insurance benefits. Martin/Martin, Inc. is an Equal Opportunity Employer.

Email or fax your letter of interest and resume' to:
Martin/Martin, Inc.
12499 W. Colfax Ave.
Lakewood, CO 80215
303-431-6100 (p), 303-431-6866(f)
bnelson@martinmartin.com
www.martinmartin.com

Classified Adds Policy

The employment ads provided in this month's newsletter are being included unedited as they have been written by the participating firms.

To place an ad please contact Caryn Bauer at seac@martinmartin.com

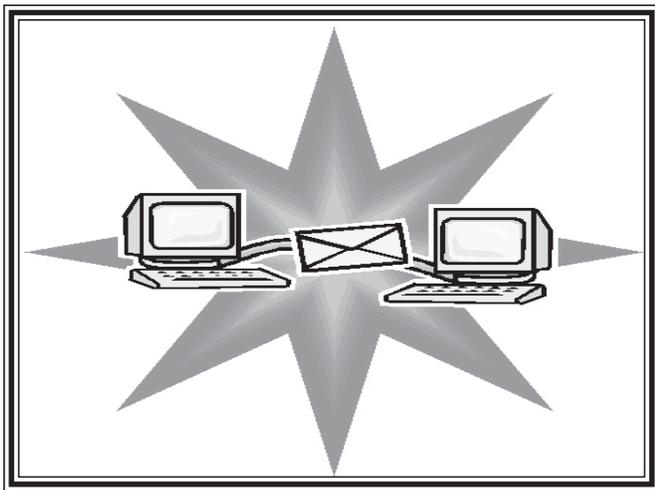
Employment Ads must be kept to 100 (maximum). The cost is \$100.00.

GENERAL NOTES - ANNOUNCEMENTS

Denver Building Department Liaison Committee (Chair: Jerry Maly)

This committee has recently completed its review of the structural provisions in the 2006 IBC (Chapters 16 through 23, and Chapter 34) and presented its recommended amendments to the City and County of Denver, Community Planning and Development Division, for inclusion in the Denver Building Code upon adoption of the 2006 IBC. It is our understanding that the City and County of Denver plans to adopt the 2006 IBC in the Spring of 2007.

Many thanks to committee members **Alex Abel, Loren Flick, Jim Harris, Paul Hause, Dave Houdeshell, Rob Jackson, Wally Prebis, Stan Welton, and Rodger Young** for their many volunteer hours and dedicated efforts in developing these amendments.



If you have a change of address, phone, fax, or e-mail. Please e-mail Caryn Bauer at seac@martinmartin.com

MAY GENERAL MEETING

Coggins & Sons, Inc. will be presenting the topic for our May meeting. They will be discussing system options for excavation shoring and how the Engineer-of-Record interfaces with the shoring engineer. Excavation shoring can affect the structural engineer's decisions on choosing the appropriate foundation system to use. It could also have a substantial cost impact to the construction cost. This is a topic that should be of interest to all of our members.

CEU CREDIT FOR SEAC

REMINDER: CEU HOURS ARE TRACKED BY MEMBERS SIGNING THE ATTENDANCE SHEET AT EACH GENERAL MEETING. SIGNING THE ATTENDANCE SHEET ASSURES YOU OF RECEIVING 0.1 CEU HOURS FOR EACH MEETING ATTENDED. CERTIFICATES ARE MAILED AT THE END OF THE YEAR.

GENERAL NOTES - SEAC Budget

INCOME	PROPOSED 2007 BUDGET	2007 ACTUAL	2006 BUDGET	2006 ACTUAL
ADVERTISING	\$500.00		\$1,000.00	\$600.00
FEES: ANNUAL MEETING	\$1,500.00		\$1,500.00	\$1,410.00
DUES: BUSINESS PRACTICE COMMITTEE	\$1,200.00		\$900.00	\$792.00
DUES: MEMBERSHIP DUES (260 @ \$120.00)	\$31,200.00		\$24,000.00	\$25,424.00
INTEREST INCOME	\$1,000.00			\$656.53
MISCELLANEOUS				
SALES: BREAKFAST SPONSORS	\$5,000.00		\$50.00	
SALES: BUILDING DEPARTMENT SURVEY	\$5,000.00			
SALES: SNOW LOAD REPORT	\$5,000.00			
SALES: STANDARDS OF PRACTICE			\$200.00	\$60.00
SEMINAR INCOME	\$8,000.00		\$8,000.00	\$9,495.00
52% INCREASE	TOTAL \$58,400.00		\$35,650.00	\$38,437.53

EXPENSES				
ADMINISTRATIVE ASSISTANT	\$9,000.00		\$8,000.00	\$8,000.00
AWARDS	\$400.00		\$100.00	\$332.89
COMMITTEE EXPENSES	\$2,000.00		\$1,000.00	\$1,270.08
CONVENTIONS	\$3,000.00		\$2,500.00	\$2,458.88
CONTRACT LABOR	\$2,000.00			\$6,880.50
CONTRACT LABOR: BUILDING DEPT SURVEY				\$135.00
MEETINGS: ANNUAL DINNER	\$5,000.00		\$4,000.00	\$3,703.46
MEETINGS: BUSINESS PRACTICE	\$1,200.00		\$500.00	\$963.19
MEETINGS: GENERAL MEMBERSHIP	\$8,000.00		\$8,000.00	\$8,397.00
MISCELLANEOUS	\$500.00		\$200.00	\$102.42
OFFICE SUPPLIES	\$400.00		\$400.00	\$318.44
NCSEA DUES	\$4,200.00		\$3,500.00	\$4,170.00
POSTAGE	\$2,000.00		\$200.00	\$93.44
PRINTING: BUILDING DEPARTMENT SURVEY	\$4,500.00		\$500.00	\$154.63
PRINTING: SNOW LOAD	\$4,500.00			
PRINTING: MEMBERSHIP BINDERS	\$500.00		\$150.00	\$258.50
QUALIFICATIONS BASED SELECTION	\$1,200.00			
SEMINAR	\$5,000.00		\$4,000.00	\$3,072.39
WEB SITE	\$1,000.00		\$600.00	\$1,112.00
WIND MAP FUNDING			\$2,000.00	
31% INCREASE	TOTAL \$54,400.00		\$35,650.00	\$41,422.82

NET INCOME	\$4,000.00		\$0.00	-\$2,985.29
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CURRENT RESERVES	12/31/2005	NET INCOME	12/31/2006
MOUNTAIN STATES CHECKING	\$6,575.02		\$0.00
MOUNTAIN STATES CD	\$26,551.74		\$0.00
1/1/06 - 12/31/06		-\$2,985.29	
CHASE BANK CHECKING			\$10,141.47
CHASE BANK 9 MONTH CD			\$10,000.00
CHASE BANK 12 MONTH CD			\$10,000.00
TOTAL	\$33,126.76	-\$2,985.29	\$30,141.47