



MAY GENERAL MEETING

Geotechnical Site Classes for Seismic Design

Schedule

Mark Your Calendar (2005)

General Membership Meetings

(Breakfast 7:30 a.m.)

- January 20
- March 17
- May 19
- July 21
- September 15

Business Practice Committee Meetings

(Breakfast 7:30 a.m.)

- February 10
- April 14
- June 9
- August 11
- October 13

SEAC Board of Directors Meetings

(7:30 a.m.)

- January 6
- February 3
- April 7
- June 2
- August 4
- October 6

Annual Dinner Meeting

- November 3
- 6 - 9 p.m.

Jim Harris and Phil Sirles will make a joint presentation on geotechnical parameters for seismic design under the IBC, focusing on sites in the Denver Basin. Jim has a long history of involvement in the development of codes for seismic design, and will present some of the background of codes currently in use, as well as some of his insights into what geotechnical engineers should be providing locally. The City of Denver is currently requiring site-specific shear wave velocity measurements to justify IBC Site Class C if bedrock is more than 15 feet deep, and Jim will also discuss the development of that requirement.

Phil has extensive experience providing engineering geophysical services in the region. He will

discuss options for site-specific studies for seismic site characterization, as well as his personal database of shear wave velocities and other geophysical data.

Chairperson Needed

The SEAC/AIA Architectural Committee is looking for someone to Chair this committee. If you are interested please contact Street Schellhase at ss@kirk-young.com. Thank you to Julian Lineham for all of your time and dedication to this committee.

Don't Miss Out

Date: Thurs. May 19, @ 7:30 am

Speaker(s): Jim Harris, Phil Sirles

Location: Renaissance Denver Hotel
3801 Quebec Street (south of the I-70 and Quebec intersection)

Please e-mail your reservations to Caryn Bauer at: cbauer@martinmartin.com.

Reservations MUST be made By 12:00 noon on Monday, May 16, 2005.

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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 Administrative Director

President's Message

Here we are in May and it is snowing outside as I am sitting here writing the President's message. It really is true what they say about the weather in Colorado, isn't it? I suppose it's a good thing though, as we need the moisture and I don't have the excuse of doing yard work, playing catch with the boy or some other outdoor activity to keep me from finally getting this written.

First, I'd like to give you an update on some administrative items. **SEAC** is now over 260 members strong and still growing. For those of you who are new to the organization or just weren't aware, we are one of the largest and oldest SEA Chapters in the country, being established in 1954. Our Administrative Director, **Caryn Bauer**, has reported that dues collection has gone smoothly this year. I know I speak for the entire Board of Directors when I say that we appreciate your continued support of **SEAC** and will do our best to see that you continue to receive value for your membership. Caryn has also reported that she is making progress with the NCSEA in her efforts to see that those of you who are not receiving *Structure Magazine* soon will be.

Now for a teaser on upcoming **SEAC** meetings: The July 21st meeting will feature a program by the **Steel Liaison Committee**. This committee has been one of **SEAC's** most consistently active committees in recent years and they will be presenting on the work they have been doing concerning edge detailing in steel-framed buildings. Judging by their previous

efforts, which include nationally recognized work on Architecturally Exposed Structural Steel, this will be one you won't want to miss. Not to be outdone by the competition, the recently reactivated **Precast Concrete Liaison Committee** will be doing a presentation for the September 15th meeting. They have not finalized their program yet, but have tentatively selected the following three topics for presentation: Precast Product Availability, What Structural Engineers Should Show on Their Drawings, and Some Common Precast Do's and Don'ts. Kudos are due to **J. D. Schafer** for assembling a formidable group of committee members and getting things off the dime. The Fall Seminar is beginning to take shape as well, but I think it's a little early for me to let that cat out of the bag – plus it will give me something to write about next time.

See you on the 19th. And hopefully it won't take me as long to figure out that the microphone is turned off this time.

EMPLOYMENT OPPORTUNITIES

Studio NYL Inc., a dynamic structural engineering design studio based in Boulder, Colorado, possesses national and international design talent. Our team shares a passion for architecture and offers a high level of creative design with traditional and non-traditional building systems and materials.

We are seeking **structural engineers** with between three to five years experience in structural design of institutional, educational, commercial and residential buildings. Applicants must hold a Colorado Professional Engineer's License (or have the ability to obtain it within one year) and have either a BSCE or MSCE. Experience in steel, concrete, timber and masonry design is essential.

Applicants must be proficient with Microsoft Operating Systems, structural frame analysis and design software, and AutoCAD 2004.

We are looking for responsible and energetic people who are eager to show initiative. They need to work well on their own but also know how to work closely with co-workers on common goals and often under tight deadlines. Excellent

communication skills are required. An interest in architecture and design combined with an ability (or an openness to be mentored in this) to design creative aesthetic structural details is also necessary. We offer a creative, challenging and rewarding work environment that provides excellent personal growth potential.

We are only considering applicants with experience in the structural design of buildings. Please list your professional experience, education and any CAD training certification.

Position is open only to U.S. citizens and legal residents. No relocation allowance. Compensation is commensurate with experience and ability.

Please send your resume via fax or e-mail (MS Word, PDF file or hypertext link is acceptable).

Contact: Julian Lineham, P.E., President

Phone: (303) 558-3145

Fax: (303) 440-8536

E-mail: jlineham@studionyl.com

The **Colo. Division of Housing** has an opening for a **Professional Engineer I** in the Housing Technology & Standards Section. This position will assist with the daily administration of the section under the direction of the Codes Program Administrator. Position is responsible for ensuring that all factory built structures comply with the applicable federal or Colorado construction standards by leading the plan review and manufacturer certification work of the Section. Starting salary from \$4,589-\$6,150/mo. d.o.q. plus benefits.

Requires current registration as a Professional Engineer. The preferred candidate will have background in construction engineering, strong plan review skills for building construction documents to ensure compliance with the National Electric Code & International Building Codes, and the ability to work with customers regarding requirements and interpretation of the codes. Certification as a Building plans examiner or Certified Building Official desired.

To apply, please submit a current resume and State Application for Announced Vacancies to the Dept. of Local Affairs, 1313 Sherman, #315, Denver, CO 80203, attn: Susie Esparza or fax 303-866-2251 by 5:00 pm on May 6. For more information call 303-866-5884 or visit the Dept. of Local Affairs website at www.dola.state.co.us/employment.htm.

EEO

WOULD YOU LIKE TO PLACE AN AD?

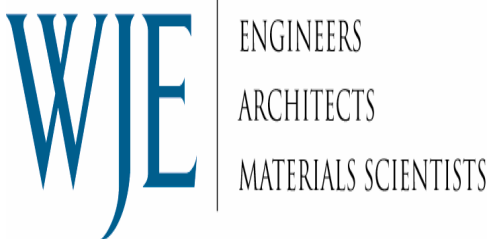
CONTACT CARYN BAUER AT
cbauer@martinmartin.com

EMPLOYMENT OPPORTUNITIES, CONTINUED

The Denver area branch office of **Wiss, Janney, Elstner Associates, Inc. (WJE)** is seeking applications from interested **Structural Engineers**. For nearly 50 years, WJE has been providing creative and practical solutions to problems affecting buildings and other structures. We are primarily looking for a senior level person but the applicant's level of experience is less important than the applicant's character, work ethic, engineering instincts and enthusiasm for investigating, documenting and designing repairs for contemporary and historic structures. Employment at WJE often involves long hours and difficult working conditions, with strict adherence to the highest professional and ethical standards. The rewards come from working on interesting and challenging projects with other highly motivated and talented people. WJE offers company ownership potential and significant opportunities for professional growth. We are an Equal Opportunity Employer.

Interested and qualified applicants can email resumes to: hr@wje.com.

Wiss, Janney, Elstner Associates, Inc.
10881 West Asbury Avenue, Suite 110
Lakewood, Colorado 80227
720.962.8688 tel | 720.962.8488 fax
www.wje.com



Anchor Engineering & Inspection, Inc. is seeking **structural engineers** with 0 to 7 years experience in structural design of residential and commercial structures. A BS degree in Civil Engineering with emphasis in structures is a must with a E.I.T./F.E. minimum. P.E. is desirable. Qualified applicants should email their resume and cover letter to hr@anchoreng.com. Anchor Engineering & Inspection, Inc. is a full service consulting structural engineering company located just north of Downtown Denver. We design a wide range of projects including single family homes, multi-family structures, retail centers, large flexible use industrial centers, office buildings, schools, and churches. We offer a competitive benefits package.

KPFF Consulting Engineers, Inc. seeks a structural engineer for its Denver office with five years minimum building design experience. Colorado professional registration preferred; post-tensioned concrete and/or seismic evaluation experience a plus!

As one of the largest structural firms in the country, KPFF has a long history of technical innovations, quality customer service and high ethical standards. Each office operates independently to provide a small office atmosphere where employees can receive individual attention while taking advantage of the overall firm's manpower resources, technical expertise and stability. We believe that our employees should be able to practice their profession with a minimum of organizational restrictions.

We are looking for enthusiastic and talented people to join our team. If you are interested in this exciting opportunity, please e-mail, fax, or mail your resume *in confidence* along with a cover letter to:

KPFF Consulting Engineers
7900 East Union Avenue, Suite 1100
Denver, Colorado 80237
P: 303-217-4519, F: 303-217-4879
elizabeth.jones@kpff.com

For more information, please visit our website at www.kpff.com



SEAC Sponsors Future Cities Award

The Structural Engineers Association of Colorado joined other Colorado engineering/technical organizations in sponsoring awards for this year's regional Future Cities Competition. Hosted by the National Society of Black Engineers (NSBE)-Denver Alumni Extension and held at Invesco Field on January 29th, First Place winners of this event will compete at the national level in Washington D.C. Each participating team is comprised of seventh and eighth grade students who design their vision of a city of the future; generate a map, model, and narrative to illustrate their city; and present it to a panel of judges. A teacher sponsor and engineer mentor assists each team during development. Additional engineering and building professionals also contribute their time as judges for competition. 2005 is the ninth year that Colorado schools have participated in this event—with number of teams growing each year.

To demonstrate a renewed objective to increase interaction with schools and community, SEAC sponsored a “Best Use of Innovative Construction Materials and Techniques” plaque presented to the recipients Brianna Smith and Christina Cappelli from SCY Home School in Rifle for their future city: Newcrete. The photograph shows the two winners with SEAC Past President, **Natalie Mozer-Renn** and the model of Newcrete.

Should anyone like to learn more about the Future Cities Competition, please contact Natalie, Byron Gray with NSBE-AE Denver at gray23@us.ibm.com, or visit the Future City website at www.futurecity.org.

