



STRUCTURAL ENGINEERS OF COLORADO

NEWSLETTER

JANUARY GENERAL MEETING

Non-Destructive Testing and Evaluation of Foundation Elements Joint CAGE/SEAC Meeting

2013 Schedule

Mark Your Calendar

General Membership Meetings

Renaissance Hotel

(Breakfast 7:30 a.m.)

January 17

March 21

May 16

July 18

September 19

Fall Seminar

October 17

Location: TBD

Time: TBD

Annual Banquet

November 14

Location: TBD

Time: TBD

Board of Directors

Monroe & Newell Engineers

(7:30 a.m.)

January 3

February 7

April 4

June 6

August 1

October 3

Business Management Committee -

Renaissance Hotel

(Breakfast 7:30 a.m.)

February 14

April 11

June 13

August 8

October 10

Non-destructive testing (NDT) and evaluation (NDE), vibration and geophysical investigations are used to determine the conditions of many types of concrete, steel, masonry and wood based structures and infrastructure including bridges, pipes, dams, parking structures, tunnels, pavements, water tanks, deep foundations, unknown foundations. These investigations were typically performed with seismic, sonic, ultrasonic, radar, electrical and vibration methods as well as high-strain and low-strain dynamic testing to evaluate internal conditions from quality assurance and forensic troubleshooting or repair perspectives.

Dennis A. Sack, P.E., of Olson Engineering, Inc and Anna Klesney of GRL Engineers, Inc. will present information about NDT/ NDE specification, typical applications, test procedures, typical results (both from sound and "bad" foundations) and along with some case histories of some interesting projects and the type of remediation done for various situations. Applications may include drilled shaft quality assurance, drilled shaft forensic investigation, driven pile testing methods (timber, steel, concrete) for both new placement and forensic, and testing of "other" foundations (mats, spread footers, secant walls or other wall-type foundation).

Dennis Sack, P.E., of Olson Engineering, Inc. is a Senior VP and Associate Engineer. Mr. Sack is currently the manager of NDT services at Olson and has a broad range of experience in nondestructive testing and evaluation of structural elements of various materials. He is responsible for all aspects of consulting projects, including initial client contact, proposal preparation, field testing, data analysis, report preparation, and review. Mr. Sack is also responsible for the design and development of instrumentation, both hardware and software, to test the integrity of deep foundations, buildings, dams, and tunnels, pavement and slabs. He is a graduate of California State University at Northridge in 1985, with a Bachelor of Science degree in Electro-mechanical Engineering.

Anna Klesney of GRL Engineers, Inc. has been with GRL since May 2008. She is a graduate of the University of Michigan at Ann Arbor with a Master of Science in Civil Engineering (Structural) and a Bachelor of Science in Civil Engineering: April 2002. She has conducted high-strain and low-strain dynamic pile testing and analyses for deep foundations as well as cross-hole sonic logging testing and analyses for deep foundations. Recent projects include: Rolling Hills Wind Farms Project, Converse County, Wyoming; Galore Creek Project, British Columbia, Canada; Piceance Field Development, Garfield County, Colorado.

RSVP at www.seacolorado.org By January 14th or by e-mailing Caryn Farrell at seac@martinmartin.com.

See Page 3 for Location and Time.

BOARD OF DIRECTORS

Structural Engineers Association of Colorado



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jness@monroe-newell.com



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tskinner@jvajva.com



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970-945-9695
bob@paengineers.com

We Want To Hear From YOU! The SEAC BOD is interested in hearing your suggestions, comments and ideas. Please feel free to contact a member of the Board of Directors at any time.

Thank you to all of our members who continue to support SEAC!

PRESIDENT'S MESSAGE

Structural Engineers Association of Colorado

CHANGE! Are you ready for it? Every year at this time we are bombarded with discussions about the New Year; New Year's resolutions, what are you going to do different in your life? How is this year going to be different? CHANGE! There's the old cliché, "The only constant in the world is change." I am having many things in my life change. I am honored and excited to be taking on the role of President for SEAC! A change from the Treasurer duties that I just figured out how to do! My office has moved from our location in Union Station to 14th and Glenarm Place. A new drive path to work, new neighbors, everything is in a different place (my office is opposite hand to what it was!). The country and the world seem to be poised for big changes. Many discussions and decisions about finances, insurance, hiring, what work will there be, is the economy going up or down? Our industry is seeing many changes as construction begins/continues to climb back. It seems like we just can't stay the same old course! But realize, with change comes the chance to make things better, more efficient, more exciting.

SEAC has seen many changes in the past year. We have grown to 289 members! We have two new members on the Board of Directors, **Don Carroll** as Secretary and **Bob Pattillo** as a Director. We have two outgoing Board members, **Andrew Kelsey** and **Rob Leberer** that worked very hard over the years and now will have more free time available. (Thanks for all your efforts!) We have increased the usage and effectiveness of the SEAC website. We had some very informative and interesting presentations including the Fall Seminar, staffed with Colorado Engineers!

In 2013, I would like to continue the process of change. One of my goals for SEAC is in line with that of the President of the NCSEA, our local member Ben Nelson. I would like to work with the Young Members to create

a group/committee that can interact and learn from the old guys, and have some fun together in the process. I would also like to reach out to the SEAC members throughout the state (with **Bob Pattillo's** help) by working to have our General Meetings broadcast or webcast to their offices. As with every year, I would like to work at re-energizing the various SEAC Committees to make them as vibrant as the Steel Liaison Committee.

I would guess that with the New Year starting, you have already decided what you will add or subtract from your "To Do" list. I hope that you will look at SEAC as an organization that can be added or expanded in your life! In addition, I hope SEAC can provide the opportunities for you to learn and grow!

Change ... its coming! It's here! Are you ready for it?!



Jim Ness, President

Don't Miss Out January General Meeting

Thursday, January 17, 2013
(Breakfast at 7:30 a.m.)

Location: Renaissance Denver Hotel
3801 Quebec Street, Denver, CO 80207
(South of the I-70 & Quebec Intersection)

MUST RSVP by **Monday, Jan. 14th** on the SEAC website at:

www.seacolorado.org or e-mail Caryn Farrell at: seac@martinmartin.com

SPONSORS - THANK YOU

Structural Engineers Association of Colorado

JANUARY SPONSOR USP CONNECTORS



**With USP mobile connections,
we're everywhere you need us to be.**

USP has taken the structural connector business into the 21st century with the digital tools you need now.

USP Specifier™ The downloadable tool to help you quickly find the right USP products to solve tough connector problems, perform accurate product conversions and generate the most cost effective solutions possible.

The USP Deck Designer™ Online anytime. The easy yet comprehensive deck design tool helps you design the perfect deck, generate 3D views, specifications, materials list and building permit applications.

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Sapphire Supply™ PC based software designed for EWP, lumber design and whole-house estimating.

Sapphire Build™ for the residential engineer features frame modeling, vertical load distribution and more.

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For more product information call 1-800-328-5934 or visit uspconnectors.com

NOVEMBER 2012 SPONSOR HAYWARD BAKER (HBI)



Hayward Baker, -(HBI) is the largest geotechnical contractor in the United States and is recognized by industry leaders to be reliable and innovative experts in the field of specialty foundation and geotechnical construction. HBI's reputation is based on providing cost effective solutions for difficult geotechnical construction projects. HBI is especially adept with fast track, resource intensive projects and HBI has an excellent reputation with its clients on both new construction and remedial projects. The Denver office is comprised of a balanced blend of engineers and contractors. HBI acquired Denver Grouting in 1998 and retained all of its people. Most if not all, continue to work out of the Broomfield office. HBI is a full service company offering a broad range of design/build geotechnical services including anchored and soil nailed retention systems, ground improvement, micropiles, compaction grouting, cement and chemical grouting, jet grouting, vibro-replacement (stone columns and concrete columns) and soil mixing. HBI is part of the world-wide Keller Group of geotechnical construction companies.

Do you know someone who would like to sponsor one of our SEAC Meetings? Please contact David Poe - Past-President for more information. david@anchoreng.com

GENERAL ANNOUNCEMENTS

Structural Engineers Association of Colorado

2013 MEMBERSHIP DUES ARE....DUE!

Please log on to the SEAC website to pay your 2013 Membership Dues online. Log on to: www.seacolorado.org. You can still pay by check. Please see the attached Dues Form if you would like to pay by check.

Deadline to pay your membership dues is Thursday, January 31, 2013.

Thank you to all who have already paid.

Please feel to contact Caryn Farrell if you need help with paying online at seac@martinmartin.com

PLEASE READ - UPDATES

SEAC has made many upgrades to our website and the payment process.

You should be have received an e-mail from SEAC's webmaster (WORDPRESS) with your new Username and new Password. If you did not receive the e-mail, please contact Caryn Farrell at: seac@martinmartin.com for further assistance.

ONE CORRECTION - You WILL be able create a new password for the SEAC website if you would like. Please contact Caryn Farrell if you forget your username.

WELCOME

Please Welcome Our New Members

Mark Sorenson (Professional Member)
JVA, Inc.

Jeffrey Hunsicker (Professional Member)

Graham Allen (Affiliate Member)
Rocky Mountain Prestress

Christopher Green (Affiliate Member)
JVA, Inc.

Andrew Johnson (Affiliate Member)
Black and Veatch

Tyler Robinson (Affiliate Member)
S.A. Miro, Inc.

Ryan Spalding (Affiliate Member)
JVA, Inc.

Jason Wiggins (Affiliate Member)
NEI Electric Power Engineering

SEAC COMMITTEES... We Need You!

Structural Engineers Association of Colorado

Have you considered joining a committee? Your participation is what makes our organization so successful. If you are interested in joining, please click on the one of the links below to get in touch with a Committee Chairperson, or feel free to contact one of the Board of Directors.

	Committee	Chair	Phone	Chair Email	Board Liaison	Liaison Email
1	Architectural	Mark Cormier	(303) 444-1951	mcormier@jvaiva.com	Jim Ness	jness@monroe-newell.com
2	BIM	Dezi Mackey	303-431-6100	dmackey@martinmartin.com	Stan Welton	SWelton@ThorntonTomasetti.com
3	Building Dept. Survey	DORMANT	303-447-2813		Tom Skinner	tskinner@jvaiva.com
4	Business Management	Wayne Muir	303-399-5154	wayne@sci-denver.com	David Poe	david@anchoreng.com
5	Denver Building Dept.	Jerry Maly	(303) 914-4300	jmaly@wje.com	Paul Hause	paul@sci-denver.com
6	Education	Natalie Mozer-Renn	(303) 870-5039	mozerrenn@comcast.net	Jim Ness	jness@monroe-newell.com
7	Ethics	DORMANT			Bob Patillo	bob@paengineers.com
8	Geotechnical	John Reins	720-962-8688	jreins@wje.com	Don Carroll	don.carroll@jrharrisandco.com
9	Legislative	Andrew Kelsey	(303) 499-3022	a.kelsey@ascentgrp.com	David Poe	david@anchoreng.com
10	Membership	Jerry Maly	(303) 914-4300	jmaly@wje.com	David Poe	david@anchoreng.com
11	NCSEA Liaison	Brent Norris	303-860-9021	brent.norris@jrharrisandco.com	Jim Ness	jness@monroe-newell.com
12	Nominating	Jerry Maly	(303) 914-4300	jmaly@wje.com	Paul Hause	paul@sci-denver.com
	Northern Colorado (Proposed)	Cody Geisendorfer	(970) 416-7891	codyag@live.com	Tom Skinner	tskinner@jvaiva.com
13	Precast Concrete	J. D Schafer	(303) 777-0977	jdschafer@stresscon.com	Tom Skinner	tskinner@jvaiva.com
14	SEER	Brent Norris	(303) 860-9021	brent.norris@jrharrisandco.com	Don Carroll	don.carroll@jrharrisandco.com
15		Mike Piper	303-431-6100	mpiper@martinmartin.com		
16	Scholarship	Stan Neujahr	(303) 377-2732	stanneujahr@neujahrgorman.com	Tom Skinner	tskinner@jvaiva.com
17	Seismic Standards	DORMANT			David Poe	david@anchoreng.com
18	Snow Loads	TBD			Stan Welton	SWelton@ThorntonTomasetti.com
19	Standard of Practice	Jim Ness	(303) 623-4927	jness@monroe-newell.com	Jim Ness	jness@monroe-newell.com
20	Steel Materials	Bruce Wolfe	303-399-5154	bruce@sci-denver.com	Tom Skinner	tskinner@jvaiva.com
21	Web Site	David Poe	(303) 783-4797	david@anchoreng.com	David Poe	david@anchoreng.com
22	Western Slope (Proposed)				Bob Patillo	bob@paengineers.com
23	Wind Loads	Jeanette Torrents	303-444-1951	jtorrents@jvaiva.com	Stan Welton	SWelton@ThorntonTomasetti.com
24	Young Engineers (Proposed)				Paul Hause	paul@sci-denver.com



STRUCTURAL ENGINEERS ASSOCIATION OF COLORADO SEAC MEMBERSHIP DUES NOTICE - 2013

MEMBERSHIP CATEGORIES

Professional Members

Professional engineers registered by the State of Colorado who are actively practicing, teaching or conducting research in the field of structural engineering.

- Local\$140.00
- Outside toll-free calling area\$60.00

Affiliate Members

Persons with an interest in the objectives of SEAC.

- Local\$140.00
- Outside toll-free calling area.....\$60.00

Student Members.....\$60.00

Full-time students who are pursuing engineering degrees at colleges and universities and who are interested in the practice of structural engineering.

Business Management Committee Members(additional) \$50.00

Professional Members with an interest in advancing the business practice of our membership.

**SEAC encourages members to pay online.
Please see attached instructions for online payments.**

**You may also pay by check.
Please Attach Payment Along With The Following Page By:**

Thursday, January 31, 2013
Make check Payable to: **SEAC**
c/o Caryn Farrell
Martin/Martin, Inc.
12499 West Colfax Avenue
Lakewood, Colorado 80215
303.431.6100x403

Please provide member information, including your email address on the following page if paying by check.

Please provide the following information for each respondent submitting payment using this notice:
SEAC will be sending all newsletters and updates via email. Please provide your email address.

Company Name: _____

<u>Member Name & Email</u>	<u>Professional</u>		<u>Affiliate</u>		<u>Student</u>	<u>Member of Business Management</u>	<u>Total Dues</u>
	<u>Local</u>	<u>Outside</u>	<u>Local</u>	<u>Outside</u>			
1.							
Email Address:							
2.							
Email Address:							
3.							
Email Address:							
4.							
Email Address:							
5.							
Email Address:							
6.							
Email Address:							
7.							
Email Address::							
8.							
Email Address:							
9.							
Email Address:							
10.							
Email Address:							
11.							
Email Address:							
12.							
Email Address:							
TOTAL:							



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SEAC SCHOLARSHIP FUND, INC.

PLEDGE FORM

Donor Information

Name/Company Name*

Contact Name

Address

Telephone

Email

Contribution Levels

Diamond	\$20,000+
Platinum	\$10,000+
Gold	\$5,000+
Silver	\$2,500+
Bronze	\$1,000+

*Enter the exact name of the company, organization or individual in whose name the contribution is being made.

The undersigned hereby pledges in the name of the donor listed above the sum of \$ _____ to the SEAC Scholarship Fund, Inc.

Payment Options:

- ☐ Payment in full enclosed payable to SEAC Scholarship Fund Inc.
- ☐ Payment made over 3 years – 1/4th due now and balance over the next two years in two equal installments

Signature

Date

Print Name Legibly

Title (if applicable)

Please mail payments to:
SEAC Scholarship Fund, Inc.
c/o Stan Neujahr
Neujahr & Gorman, Inc.
255 Clayton, Suite 301
Denver, Colorado 80206

Questions or Additional Information
SEACscholarship@jvajva.com

(303) 377-2732

SEAC SCHOLARSHIP FUND, INC. - 255 CLAYTON, SUITE 301 - DENVER, CO 80206

Phone: 303.377.2732 Email: SEACscholarship@jvajva.com Website: www.SEACcolorado.org



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SEAC SCHOLARSHIP FUND, INC.

APPLICATION FORM

Applicant Information

Last Name	First	Middle
Street Address	Apt/Unit #	
City	State	ZIP
Phone	E-mail Address	
Social Security No.		

Education

Current College/University				
Address				
In the fall, I will be a full-time:	Junior <input type="checkbox"/>	Senior <input type="checkbox"/>	Fifth Year <input type="checkbox"/>	Graduate Student <input type="checkbox"/>
Engineering Major	Current GPA			
Previous College/University				
Address				
Dates Attended	GPA	Degree		
Previous College/University				
Address				
	GPA	Degree		

Leadership, Community/School Service, Activities and Awards

Activity/Award	From	To	
Description			
Activity/Award	From	To	
Description			
Activity/Award	From	To	
Description			
Activity/Award	From	To	
Description			
Activity/Award	From	To	
Description			

Page 1 of 2

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Phone: 303.377.2732 Email: SEACscholarship@seacolorado.org Website: www.SEACcolorado.org



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SEAC SCHOLARSHIP FUND, INC.

APPLICATION FORM

Work Experience

Company		Phone	()		
Address		Supervisor			
Job Title		From		To	
Responsibilities					
May we contact your previous supervisor for a reference?	YES <input type="checkbox"/>	NO	<input type="checkbox"/>		
Company		Phone	()		
Address		Supervisor			
Job Title		From		To	
Responsibilities					
May we contact your previous supervisor for a reference?	YES <input type="checkbox"/>	NO	<input type="checkbox"/>		
Company		Phone	()		
Address		Supervisor			
Job Title		From		To	
Responsibilities					
May we contact your previous supervisor for a reference?	YES <input type="checkbox"/>	NO	<input type="checkbox"/>		

Financial Need

Anticipated Expenses for the School Year, September to August		Anticipated Income for the School Year	
Tuition & Fees		Family Assistance	
Books & Supplies		Employment	
Room & Board		Scholarships	
Transportation		Loans	
Other		Other	
Total		Total	

Please attach a copy of a certified grade transcript from each college/university attended, a letter expressing your commitment to a career in engineering, a letter of recommendation from a professor or professional engineer, and a short essay (300 words max) discussing your view of the role of the structural engineer in society.

Mail applications to: SEAC Scholarship Fund, Inc.
c/o Neujahr and Gorman, Inc.
255 Clayton, Suite 301
Denver, Colorado 80206