



STRUCTURAL ENGINEERS OF COLORADO

NEWSLETTER

2017 SCHEDULE

Meetings

Red Rocks Visitor's
Center
18300 W Alameda
Pkwy. Morrison, CO
80465 November 9th
6-9pm

YMG

Gingerbread Bridge
Competition: **Jackson's
Sports Bar** November
17, 2017 12-4pm

**THANK YOU TO
ALL OF OUR
MEMBERS FOR
SUPPORTING
SEAC THIS
YEAR. PLEASE
BE ON THE
LOOKOUT FOR
2018 RENEWAL
NOTICES,
COMING IN
EARLY
DECEMBER**

SEAC 2017 Annual Meeting Red Rocks Visitor's Center



Come join us at the Red Rocks Visitor's Center for SEAC's 2017 Annual Meeting! SEAC members and guests will be treated to an evening of great food and spectacular views. We will have a presentation from Tom Noel, otherwise known as Dr. Colorado! He will be

presenting on the history of Red Rocks. SEAC awards will also be presented and nominations for the Board of Directors will be announced. Don't forget to purchase tickets for the backstage tour! Walk the hall of fame and learn about the history of Red Rocks!



Details:

November 9th, 6-9pm
Red Rocks Visitor's Center
18300 W Alameda Pkwy.
Morrison, CO 80465

Pricing:

Member/Member Guest \$50
Student \$50
Nonmember \$75
Backstage Tour \$8

To register go to <https://seacolorado.org/event/seac-annual-meeting/>

BOARD OF DIRECTORS

Structural Engineers Association of Colorado



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

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

PRESIDENT'S MESSAGE

Structural Engineers Association of Colorado

November is here, which means I am writing my last President's Message to you. As I look back on this year I am proud of the accomplishments the organization has achieved and feel confident in its future. A year ago, when I started my term, I felt some trepidation. We had just launched the new website and it had many problems (as many new launches have, our long-standing administrator Caryn Farrell gave the board notice she was stepping down, and our long-time delegate to NCSEA, Brent Norris, notified the board that he was stepping down. Losing Caryn was very concerning as she has been the workhorse and glue for the organization for over a decade.

Today, we have a new administration team of Becky Roland and Kim Wyatt, the website issues are largely resolved, and we have a new delegate, Ben Cook, who is bringing new energy and ideas on better ways for NCSEA and SEAC to connect.

I want to say Thank You to the outgoing board members, Rob Jackson and Ben Cook. Rob's term as Director expires at the end of the year as does Ben's role as Past President. These two have served you well during their terms. Their ideas and efforts have improved your organization.

I appointed the 2017 Nominating Committee in September. The committee consists of Ben Nelson, Jerry Maly, and new this year, Benda Yockstick. They made recommendations to the board for new Officers and Directors. The ballot again this year will have very good individuals who are willing to volunteer their time to serve you. The ballot will be announced at the Annual Meeting at Red Rocks on November 9.

Speaking of the Annual Meeting, I invite you to attend with a guest. The event this year promises to be entertaining both you and your guest. Dr. Colorado (Tom Noel) will talk to us about the historic structures in Colorado and will share many entertaining anecdotes. It's also your opportunity to support those receiving awards this year. Jon Peterka will receive an Honorary Membership (just the third one in the history of SEAC), Wayne Muir will be awarded Life Membership in recognition of his many years of active service to SEAC, Brent Norris and Caryn Farrell will receive Service Awards, and we will recognize two Past Presidents. I hope to see you there.

Yes, I feel good about where the organization is and its future. SEAC has strong participation from its members, our committees are active and working to improve our profession, our administrators are excellent and are focused on serving the members, and it's growing—we added 41 new members in 2017. I thank you for entrusting me with the helm for 2017.



2017 AWARDEES

Structural Engineers Association of Colorado

Honorary Member:



Dr. Peterka has helped to advance the practice of wind engineering at both a national and local level. As a member of the ASCE-7 wind committee, he helped to shape the national standard used for design. The Colorado Front Range Gust Map developed by Dr. Peterka in 2005 gave Colorado engineers and municipalities the information they needed to assign wind loads to the Special Wind Region along the Front Range. Dr. Peterka updated the map and accompanying report in 2013 to address the shift to strength-level design in ASCE 7-10. He has presented seminars on wind design to SEAC several times as well as to the Colorado Chapter of the International Code Council. The firm he helped found, Cermak Peterka Petersen, is an internationally

recognized leader in wind engineering. We are fortunate to have a national expert available as a local resource who has repeatedly volunteered his time to guide both code amendments and engineering practice as they relate to wind design.

2017 AWARDEES

Structural Engineers Association of Colorado

Life Member:



Wayne Muir

Service Awards:



Caryn Farrell
and Brent Norris



ANNOUNCEMENTS

Structural Engineers Association of Colorado

Welcome to our Newest Members

Tyler Fauth

(Professional Member)

The Vertex Companies, Inc.

Luis Berroteran

(Affiliate Member)

Langan Engineering and Environmental

Dan Cooley (Affiliate Member)

Griz Creek Engineering

Kevin Smith (Affiliate Member)

Coffey Engineering & Surveying

Steven Horrell (Affiliate Member)

Coffey Engineering and Surveying

Trent McAteer

(Professional Member)

Peak Engineering, Inc.

Hussam Mahmoud

(Affiliate Member)

Colorado State University

Matthew Rood

(Professional Member)

Coffey Engineering & Surveying

Holly Janowicz

(Professional Member)

J.R. Harris & Company

Trevor Choate (Affiliate Member)

HCDA Engineering

Hunter Brown

(Professional Member)

Martin/Martin Consulting Engineers

Deacon Maggard

(Affiliate Member)

Coffey Engineering & Surveying

ANNOUNCEMENTS

Structural Engineers Association of Colorado

SEAC Call for Members

Do you know of any colleagues who should join SEAC?

Below are just a few of the benefits they could receive by joining.

- ◆ Breakfast meetings and seminars are included with your cost of membership (earn PDH credits and network with other SEAC members)
- ◆ SEAC Membership includes membership in NCSEA which gets you a subscription to *STRUCTURE* magazine, a subscription to *Structural Connection*, discounts for webinars, the NCSEA SE Exam Review Course, and more!
- ◆ Reduced cost for the Fall Seminar
- ◆ Receive 6 newsletters including a calendar of upcoming events, messages from the president of SEAC, special reports, publications, and advertising for structural engineering positions
- ◆ Join technical and professional committees to give all members a voice in policy, education, business management, and code development to help grow and shape our profession

Applications can be submitted online at

<https://seacolorado.org/join-seac/>.

UPCOMING EVENTS

Structural Engineers Association of Colorado

ATTENTION:
ENGINEERS, ARCHITECTS
& BUILDERS
COME SHOW YOUR CREATIVITY



WHEN: 11/17/2017 at 12-4pm
WHERE: Jackson's Denver
1520 20th St.
Denver, CO. 80202
COST: \$50 per bridge*

Registration Deadline: Monday, October 31, 2017

Register at <https://seacolorado.org/event/gingerbread-bridge-competition/>

* Bridge registration included with event sponsorship.
See event registration page or contact yeg.seac@gmail.com for
more information on sponsorship levels and sponsor benefits.

sponsored by



Go to gingerbreadbridge.com
to access competition rules.

**2017 RULES
COMING SOON!**



2017 SEAC Fall Seminar

Structural Engineers Association of Colorado

The SEAC Education Committee hosted the 2017 SEAC Fall Seminar on Friday, October 20th at the Denver Marriot City Center. There was a great turn out with 145 people in attendance and 22 watching the seminar remotely. Thank you to the presenters Alan Lisowy and Patrick McManus who gave informative presentations with great material specific to design considerations for Colorado. Thank you to our Fall Seminar sponsors and Fall Seminar Prize Sponsors.

We hope everyone enjoyed the seminar! If you have any feedback and/or suggestions for future fall seminars, please reach out to EducationSEAC@gmail.com.



SEAC Fall Seminar Sponsors

Structural Engineers Association of Colorado

Thank you!

GOLD SEMINAR SPONSOR



SILVER SEMINAR SPONSOR



SEAC FS Raffle Prize Sponsors

Structural Engineers Association of Colorado

Thank you!



2014 SEAC Strategic Plan

Structural Engineers Association of Colorado

The SEAC Education Committee (EC) accomplished the majority of the short-term SEAC Strategic planning tasks, as suggested by the 2014 SEAC Business Management Strategic Planning Sub-Committee, and plans to continue with the extended programming. In the section below in the green font is highlighted what was accomplished to date.

In 2015, the SEAC Education Committee & SEAC YMG started the PE/SE webinar and Bridge Design review sessions, available to SEAC members and non-members. Also, the SEAC EC or-ganized a Precast Tour at the Stresscon facility in Colorado Springs to test the interest into new programming.

In 2016 the committee won the NCSEA Grant to support the new programming, and added two Project Presentations and a Manufacturing Tour programming in 2017. This provides another extended continuous learning opportunity, PDH, and networking for all attendees to SEAC members, non-members and students. The attending students also benefit from practical, first hand learning and exposure to industry practices. All these factors strongly support the NCSEA Mission Statement.

If you are interested to provide a Project Presentation, or organize a job site/ manufacturing tour in 2018 , please contact us!



1st Project Presentation

April 25, 2017

The Alliance Center, Denver

PRESENTER: Julian Lineham, PE, SECB, CEng, MICE/ Studio NYL

TOPIC: Utilizing Parametric Techniques to Optimize Workflow



2nd Project Presentation

August 22, 2017

Martin/Martin office, Denver, CO



PRESENTERS: Dwight Gilbert, PE, SE with Martin/Martin
Myron Chase, AIA with Populous

TOPIC: Colorado State University's New On-Campus Stadium



2017 SEAC Steel Manufacturing Tour

June 23, 2017



2014 SEAC Strategic Plan

Structural Engineers Association of Colorado

SEAC EDUCATION / STRATEGIC GOALS:

Maintain quality programming; develop additional events; and improve access to programming. Technical and business education was, and continues to be a core purpose for the establishment of SEAC.

Opportunities exist to: Extend and update educational programming and delivery methods; Take advantage of current communication tools; and address the rapidly changing practice environment. The following specific recommendations are aimed at fulfilling these goals.

- Add one or two more breakfast meetings or short educational seminars.
- Make presentations more formal to meet national CEU/PDH standards.
- Host seminars with nationally known speakers. Survey SEAC membership to find out presentation topics of interest, or provide “suggestion box” on SEAC website for members to provide their comments.
- Extend group activities per members’ interest. The recent SEAC Education Committee survey will indicate the members’ interest and needs for various new group activities. This could be a joint venture of the Education Committee and Young Engineers Group.
- Provide opportunities for review courses and study groups for PE/SE exams. Provide links to websites providing DORA licensing information, review materials or courses for PE/SE exams.
- Use social media platforms and the website to extend discussions and access to discussions
- SEAC general meeting – continue discussions online about the presentation.
- Committee meeting updates.
- Post links to structural articles and documents of interest.

NCSEA News

Structural Engineers Association of Colorado

The NCSEA Code Advisory Committees (CAC's) are actively involved in code development that affects all of our practices. NCSEA is currently working to improve its engagement of member organizations in the CAC's to ensure that all SEA's are represented in the process. Each SEA is permitted to appoint one Corresponding Member (CM) and one Alternate Corresponding Member (ACM) to each CAC. Voting Members are selected by the CAC from active CM's and ACM's, and selection is based largely on the candidate's track record of dedication to the CAC's work. SEAC is looking to fill our CM and ACM positions. The eligibility criteria are simple: 1) appointees must hold a P.E. or E.I., 2) appointees must be active Professional Members or Affiliate Members of SEAC, 3) where there is an active SEAC Committee that is aligned with a CAC, the appointees must be active in the SEAC Committee, and 4) appointees must agree to represent the expressed interests of SEAC, rather than their personal interests. The fourth criterion extends to SEAC members selected as Voting Members. The Table below summarizes the available opportunities for SEAC members. If you are interested in serving as a CM or ACM on a CAC, please contact Ben Cook, the new SEAC delegate to NCSEA, or any SEAC Board Member. All currently open positions will remain open through the end of November, and in December, the SEAC Board of Directors will begin the appointment process, with heavy reliance on formal recommendations by the SEAC Committees. Volunteering for SEAC Committees is a great way to contribute to your profession, and getting involved in the CAC's is a great way to promote SEAC's interests on the national level. Please consider getting involved. Check out <http://www.ncsea.com/committees/codeadvisorycommittee/> for more information.

NCSEA-CAC / Chair	Aligned SEAC Committee / Chair	Corresp. Member	Alt. Corresp. Member	Voting Member
Evaluation Service Advisory Committee - Bill Warren	Not applicable	Open	Open	
Existing Buildings / Structural Retrofit - Michael Fillion	Existing Structures - Gene Stevens	Elizabeth Jones	Open	Jerry Maly
General Requirements - Ed Houston	Not applicable	Open	Open	
IRC Working Group - Stephanie Young	Not applicable	Open	Open	
Resilience - David Bonowitz	Not applicable	Open	Open	Holly Janowicz
Seismic Provisions - Kevin Moore	Seismic - Rob Jackson	Open	Open	
Special Inspection / Quality Assurance - Greg Robinson	Steel Committee - Ben	Ben Cook	Open	
	Precast Committee - Tre-			
Wind Engineering - Don Scott	Wind—Dale Jones	Dale Jones	Jeannette Torrents	

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 hyperlink name to contact

Committee	Chairperson	Contact Phone	Board Liaison
BIM	Desiree Mackey	303.431.6100	Jeremy Crandall
Building Dept. Liason	DORMANT		Rob Jackson
Business Management	Paul Hause	303.399.5154	Paul Doak
Construction Industry	DORMANT		Paul Doak
Denver Building Dept.	Jerry Maly	303.914.4300	Rob Jackson
Education	Irena Kahanek Matt Hardman	720.296.7595 303.876.5700	Jeannette Torrents
Ethics	Peter Marxhausen	303.947.5375	Donald Harvey
Existing Structures	Gene Stevens	303.860.9021	Donald Harvey
Membership	Jerry Maly	303.914.4300	Ben Cook
Nominating	Jerry Maly	303.914.4300	Paul Doak
Northern Colorado	Greg Black	970.619.8986	Greg Black
Precast Concrete	Trevor Kirkley	303.298.1900	Paul Doak
SEER	Brent Norris Mike Piper	303.860.9021 303.431.6100	Rob Jackson
Scholarship	Jeannette Torrents	303.444.1951	Jeannette Torrents
Seismic Standards	Rob Jackson	303.843.2850	Rob Jackson
Snow Loads	Jeannette Torrents	303.444.1951	Jeannette Torrents
Standard of Practice	Jim Ness	303.623.4927	Paul Doak
Steel Materials	Ben Cook	303.914.4300	Ben Cook
Wind Loads	Dale Jones	970.568.2919	Jeannette Torrents
Young Engineers	Jeremy Crandall Katie Courtright	303.399.5154	Jeremy Crandall

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



YOUR ADVERTISEMENT HERE

Consider placing an ad in the bi-monthly SEAC newsletter to reach over 300 members, including professional engineers, suppliers, and vendors.

Contact Kim Wyatt at administrator@seacolorado.org or go online to <https://seacolorado.org/seac-shop/>.

Full Page Employment Ad: \$250

Half Page Employment Ad: \$150

Quarter Page Employment Ad: \$100

Full Page Product or Service Ad: \$350

Half Page Product or Service Ad: \$250

Quarter Page Product or Service Ad: \$200

THE COMPLETE SOFTWARE FOR ANCHORING TO CONCRETE



Mechanical



Adhesives



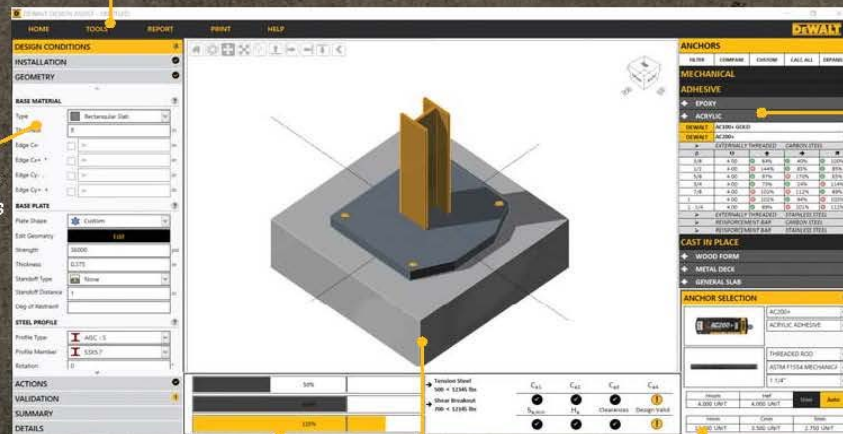
Cast-in Place

Tool Bar

- New, Save, Open
- Report Generation
- Application Help

Design Conditions

- Installation Properties
- Geometric Constraints
- Loading Attributes
- Validations
- Calculation Summary
- Project Details



Anchor Tree

- Filtering
- Comparisons
- Calculate All
- Documents
- Custom Anchor

Result Area

- Easy to Read Bar Graphs
- Continuous Results updating
- Key Geometric Checks

Visual Model

- 3D Graphics
- Edit Geometry
- Zoom, Pan, Rotate

Active Anchor

- Auto Embedment Optimization
- Key Anchor Properties
- Fast Switching

DESIGN



Code compliant anchor designs according to ACI 318-14 and CSA A23.3-14

DOCUMENT



Comprehensive design calculations with multiple reporting options

ANCHOR



Includes full catalog of DeWALT innovative anchors, standard Cast-in Place and MORE!!

For more information or if you are interested in Beta testing the software, log on to <http://anchors.dewalt.com/dda>

www.DeWALT.com
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