



STRUCTURAL ENGINEERS OF COLORADO

NEWSLETTER

RSVP

September 21, 2017
Breakfast at 7:30 a.m.
Renaissance Hotel
3801 Quebec Street,
Denver, CO 80207

RSVP by 5pm
Tuesday, September 19
on the [SEAC website](#).

2017 SCHEDULE

Meetings

Renaissance Hotel
3801 Quebec St.
Denver, CO 80207
September 21

Fall Seminar (pg.15):

Marriott City Center
October 20, 2017,
7:00am—12pm

Annual Meeting:

Red Rocks Visitor Center
November 9, 2017, 6pm

YMG

Gingerbread Bridge
Competition:

Jackson's Sports Bar
November 17, 2017
2017 Picnic
Washington Park
September 16, 2017

Board of Directors:

Martin/Martin, Inc.
12499 W. Colfax Ave.
Lakewood, CO 80215
Time: 7:30am
October 5
December 7

Web-Based Board

Meetings

September 7
November 2

Business Management Committee

Martin/Martin, Inc.
12499 W. Colfax Ave.
Lakewood, CO 80215
October 12— Open to all
SEAC Members

September 21, 2017

AESS: Categorized by Design

Architects want architecturally exposed structural steel on projects to meet their expectations for appearance, budget, quality and structural integrity. The category system implemented in the AISC Code of Standard Practice effectively communicates expectations and should be utilized on any AESS project. Participants in this program will learn how and when to implement the AESS Category Method to effectively communicate the desired appearance for architecturally exposed structural steel in a format that contractors can understand.



Tabitha Stine, S.E., P.E., LEED AP, is the Vice President for Market Development based in Chicago. She oversees the activities of the Structural Steel Specialists in the field and the AISC Steel Solutions Center. Since Tabitha joined AISC in 2004, she has presented at various nationwide conferences on topics such as Innovations in Steel, Construction Economy Trends, Resilience, Sustainability in Steel and Architecturally Exposed Structural Steel—just to name a few. Before working at AISC, Tabitha was a practicing structural engineer for Sargent & Lundy LLC in Chicago for industrial power design utilizing structural steel. Tabitha earned her Bachelor of Science in Civil Engineering from Southern Illinois University Carbondale in 2001 and her Masters of Engineering from Illinois Institute of Technology in Chicago in 2003.

BOARD OF DIRECTORS

Structural Engineers Association of Colorado



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dharvey@ana-usa.com

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

Welcome to September. Our profession is enjoying a business climate filled with many opportunities. Most of you are busy working on interesting projects and you have been busy for quite some time. Your time to volunteer for this organization is limited. Yet I see many of you actively participating to make SEAC a valuable organization. I say Thank-You to our active members and to the many committee members who are making SEAC an organization structural engineers want to belong to.

Someone who is slowing down from the profession is Brent Norris. As many of you know, Brent is retiring from work and from his very active participation in SEAC. Although he will maintain some involvement, he is stepping down from his role as the SEAC delegate to NCSEA. The board had three applicants express interest in being the delegate and selected Ben Cook. Ben will attend the NCSEA Summit in Washington D.C. in October and will be the liaison between NCSEA and the SEAC board and members.

Brent has also been a long-term member of the Nominating Committee. Brenda Yockstick has agreed to be on the committee, replacing Brent. Welcome Brenda! The nominating Committee looks for members who might be interested in serving on the board. Please contact a member of the committee if you have an interest in serving. In addition to Brenda, the committee includes Ben Nelson and Jerry Maly.

I hope you attended the July General Meeting to learn about current wood research in mass timber buildings and the Education Committee's August Project Presentation on the CSU Stadium. Both were informative and interesting. Perhaps the new stadium was the difference in CSU winning their opening game. GO RAMS!

The Education Committee's focus is now on the Fall Seminar which will be on Friday, October 20. There is a change in venue this year—the seminar will be at the Marriot City Center (1701 California). The speakers will update us on geotechnical issues and structural steel. Please sign up on the website.

The board is still meeting every month to get on top of a lengthy agenda. We are reviewing proposed updates to our Bylaws put forth by an ad hoc committee of Jerry Maly, Ben Nelson, Susie Jorgenson, Bob Hunnes, and myself. The board is also reviewing options for the website, clarifying our member roster, and studying the organization's long-term income and expenses. You can now view the minutes from the board meetings on the website at <https://seacolorado.org/about/board-minutes>.

Our September General Meeting has been organized by the SEAC Steel Committee. Come learn what's new and how to specify Architecturally Exposed Structural Steel. Your time will be well spent.





ANNOUNCEMENTS

Structural Engineers Association of Colorado

Welcome to our Newest Members

Wade Ambach (Affiliate Member)
Peak Engineering, Inc.

**Benjamin Enssle
(Affiliate Member)**
JVA, Inc.

Robert Harris (Affiliate Member)
Peak Engineering, Inc.

Mark Solorio (Affiliate Member)
Martin/Martin

**Curt Mademann (Professional
Member)**
AECOM

Todd Clapp (Affiliate Member)
Horne Engineering Solutions, LLC

Kinson Prabu (Affiliate Member)
HCDA Engineering

Kelly Sheeran (Student Member)
University of Colorado

**Kirk Taylor (Professional Mem-
ber)**
Walker Parking Consultants

Jason Jeffries (Affiliate Member)
JVA, Inc.

**Joseph Kirby
(Professional Member)**
Peak Engineering, Inc.

Nick Reuter (Affiliate Member)
CTL|Thompson, Inc.

**Laura Coates
(Professional Member)**
JVA, Inc.

**Thomas Tarcha (Student Mem-
ber)**
Colorado School of Mines

ANNOUNCEMENTS

Structural Engineers Association of Colorado

The Existing Structures Committee of SEAC is reviewing the need for 2015 IEBC Sections 403.8 & 707.3.2 requirements in general, and, more specifically, in Colorado. These sections require a structural evaluation of roof diaphragms when reroofing more than 50 percent of the roof diaphragm, and the structure is located where the ultimate design wind speed is greater than 115 mph (Ultimate). To help us better assess this code section's applicability in Colorado we ask you to fill out this short survey.

To complete the ESC's short survey (hosted by Survey Monkey), please click or copy and paste into your web browser the following link,

["https://www.surveymonkey.com/r/J2M6YDP"](https://www.surveymonkey.com/r/J2M6YDP)

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

Colorado Wood Design Symposium September 20, 2017 9:00 AM—4:30 PM

The Colorado Wood Design Symposium is a FREE multi-faceted, day-long educational event on the use of wood in non-residential and multi-family buildings. The Symposium will be held at the Colorado Convention Center. Attendees can earn up to 5 AIA/CES HSW LUs or PDH credits (one per attended seminar). AIA/CES forms and professional development certificates will be available on site.

Sessions Include:

Rocky Mountain Institute Innovation Center: Progressive Timber Office Design Presented By: Justin Brooks, LEED AP BD+C, ZGF Architects LLP

Understanding the Moisture Performance of Wood Presented By: Ron Anthony, Anthony & Associates, Inc.

Building Enclosure Design: Fundamentals, Components and Assemblies – Part 1 Presented By: Colin Shane M.Eng., P.Eng., RDH Building Science Inc.

Advanced Detailing Techniques for Building Enclosures – Part 2 Presented By: Colin Shane M.Eng., P.Eng., RDH Building Science Inc

Structural Design of Mass Timber Framing Systems Presented By: Tanya Luthi, PE, Fast + Epp

Structural CLT Floor and Roof Design Presented By: Scott Breneman, PE, SE, PhD, WoodWorks

Detailing for Wood Shrinkage Presented By: Douglas R. Steimle, PE, Schaefer

Lateral Design Considerations for Mid-Rise Wood Structures Presented By: Terry Malone, PE, SE, WoodWorks

Advancements in Force Transfer around Openings for Wood-Framed Shear Walls Presented By: Jared S. Hensley, P.E., APA

To register go to <http://www.woodworks.org/education-event/2017-denver-symposium/>

FALL 2017 PE/SE EXAM BRIDGE REVIEW SESSION Wednesday, Sept. 27th at 6:30pm

SEAC Members and non-Members:

The SEAC YMG and Education Committee would like to invite you to the PE/SE Exam Bridge Review Session. Come join us on **Wednesday, September 27th at 6:30pm** at the Structural Consultants, Inc. office in Cherry Creek for a review session on bridge design, including a review of the AASHTO code and exam tips.

- ♦ Session lead by Jon Emenheiser, a licensed P.E. and S.E. bridge engineer.
- ♦ Bring your AASHTO code and come prepared with questions.
- ♦ Submit topics that you are struggling with and/or specific practice problems via email by 5:00pm on Friday, September 22nd to allow the presenter adequate time to review the topics that require special attention. Submitted practice problems will be added to the review packet so that we can work through the problems as a group.
- ♦ Estimated 1.5 hour session duration.

To be held at: 3400 E. Bayaud Ave., Suite 300 Denver, CO. 80209 **Please RSVP by 5:00pm on Friday, September 22nd at yeg.seac@gmail.com.**

Free guest parking is available on the street and in the building parking lot.

UPCOMING EVENTS

Structural Engineers Association of Colorado



Last year the SEAC EC provided various students outreach and encouraged SEAC members to participate in the **Girls in STEM programming**. We appreciate that Exponent Inc. provided fundraising initiative and also will be hosting for the High School girls an office tour in the upcoming month. The SEAC YMGM plans to cooperate with them on the annual Gingerbread Bridge contest.

If you are interested to participate in the Girls in STEM programming, they are having their 2nd Annual Mocktail Networking Social on **October 17th at The Commons on Champa in Denver**. They are looking for professional women working in STEM fields to participate again this year. Professionals will attend with high school students and participate as mentors for the evening about the importance of and how to network. You can register to participate at <http://www.gstemdenver.org/register/2nd-annual-mocktail-networking-social-event> or contact the EC at EducationSEAC@gmail.com.

They are currently looking for the following:

1. Speakers to lead an interactive discussion with middle school and/or high school students
2. Engineering companies willing to host a tour with Q&A, rotations with high school students
3. Engineering companies willing to host high school students for job shadowing experiences
4. Engineering companies willing to host high school students for mentoring experiences

2017 Joint YMG Summer Picnic

Bring your friends, business cards and appetites because this is the summer event not to be missed! Join us on Saturday, September 16th, from 12-3PM at Washington Park for the 2017 Young Professionals Picnic. This event, co-hosted by the SEAC, ASCE, CAGE, PCI, WTS and CASFM Young Member Groups, will be a great opportunity to network with professionals who work in the design industry while enjoying yard games, great food, the Colorado sunshine and the opportunity to win some fun door prizes.

Please use the following link to register by Friday, September 8th:

<http://events.r20.constantcontact.com/register/event?oeidk=a07eegi94j293d0195a&llr=fvve7pkab>

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 ANNUAL MEETING

Structural Engineers Association of Colorado

Come join us at the Red Rocks Visitors Center for SEAC's 2017 Annual Meeting! SEAC members and guests will be treated to an evening of great food and spectacular views. Rockstar backstage tour attendees will get to see the "walk of fame" and learn about the geology of the iconic Red Rock Amphitheater!

When

Thursday, November 9th

6:00pm-9:00pm



Pricing

Member: \$50

Member Guest: \$50

Nonmember :\$75

Backstage Tour: \$8



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 miss out on a great night with colleagues and friends! To register go online to

<http://seacolorado.org/events/>.

2017 AWARDEES

Structural Engineers Association of Colorado

Honorary Membership Vote

The Board of Directors has received a written request for Honorary Membership to be bestowed on Dr. Jon Peterka, P.E. Honorary membership is reserved for engineers who have either achieved acknowledged eminence in a branch of engineering or related science or who have contributed outstanding service to the profession of structural engineering and SEAC. Dr. Kurt Gerstle, P.E. (deceased), and Robert Thompson, P.E. are the only two individuals to have received this honor. SEAC voting members (life and professional) will be voting whether or not to approve this request at the September meeting.

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.

BUSINESS MANAGEMENT COMMITTEE

Structural Engineers Association of Colorado

Those of you that attended the January 2017 General Meeting will hopefully recall the brief section regarding the Business Management Committee and its activities. Since 1982 SEAC has been conducting a survey of companies with members of the organization regarding Colorado structural engineering business practices. Initially this was conducted through the general membership during the time when all members were owners of structural engineering firms, and after the membership transition in the early 1990s through the Business Management Committee.

Over the past few years, there has been discussions about the option of having a compensation survey that would be geared towards the individual SEAC members versus companies. This discussion has resulted in the first annual SEAC Compensation Survey. The survey will cover a number of topics, including salaries by position/grade/years of experience, and the various benefits employees receive, among others. The survey will be sent out to all SEAC members and the results will be provided to those that respond, to incentivize participation. This practice along with processing by an independent third party has been used to maintain the confidentiality of the information provided. Both practices encourage the submittal of accurate data.

The survey will be offered after the September meeting, in early October, via an email blast. There is no cost for the survey. Again, only those that take the survey will receive the full set of results. Tentative plans are to present an overview of the results at one of the General Meetings in early 2018.

Please contact Jim Ness with any questions, at jness@monroe-newell.com.

ALL SEAC MEMBERS INVITED TO FREE BREAKFAST – OCTOBER 12, 2017

The Business Management Committee's October meeting is open to all interested SEAC members.

Our program will discuss some of the mystery and the process involved in "Determining the Value of Engineering Companies." Is it true that some firms sell for Book Value while other firms sell for much higher amounts?

Penn Pfiffner of Construction Economics, LLC will touch on these topics based on his 37 years of experience in Finance and Economics with the Colorado design and construction industries. He is directly involved with appraisal and financial management of engineering companies.

The meeting starts with light breakfast (no bacon) at 730am and ends promptly at 900am, although there could be opportunity for further question/answer participation if members choose to stay later. Meeting location will be at Martin & Martin offices, 12499 West Colfax Ave., Lakewood, CO 80215.

Please RSVP to Kim Wyatt at administrator@seacolorado.org by October 10th or RSVP online at <https://seacolorado.org/event/breakfast-meeting-determining-the-value-of-engineering-companies/>.

EC CORNER-FALL SEMINAR

Structural Engineers Association of Colorado

LOCATION:

Denver Marriott City Center
1701 California Street
Denver, CO 80202

SEMINAR SCHEDULE: 4 PDH

7:00am - 7:40am

Registration/ Breakfast/ Networking with Sponsors

7:40am - 9:45am

Announcements/ Geotechnical Presentation

9:45am - 10:00am

Break/ Meeting with Students/ Networking with Sponsors/ Raffle

10:00am - 12:00pm

Steel Lateral Systems Presentation

SEMINAR SPONSORS



SEAC Fall Seminar Payment

www.seacolorado.org

Early Registration and Payment:

Deadline: Tuesday, October 3rd

Members: \$135

Non-Members: \$175

Students: \$35

Regular Registration Fee Online or Payment at the Door:

Members: \$155

Non-Members: \$195

Students: \$55

Online Payments Close: Wednesday, October 16th

**** Need to pay by check? See Pg. 14-15. ****

2017 SEAC FALL SEMINAR-Registration now Open Friday, October 20th

Geotechnical Presentation

Presented by: Alan Lisowy, PE

Denver Engineering Department Manager, CTL Thompson

The goal of this presentation is to provide participants with guidance regarding the design and installation of deep foundations with specific emphasis on the issues related to the geology of Denver, the Front Range area, and Colorado.

- Brief Review of Geology in Colorado
- Geologic/Geotechnical Conditions that warrant use of deep foundations
- Geotechnical Reports and Foundation Recommendations
- Specific items which should be detailed in Request For Proposals
- Deep Foundations in Colorado and Construction issues
- History of Drilled Shafts in Colorado
- Evolution of Reinforcement Recommendations
- Top Ten List Questions from Structural Engineers that geotechnical engineers receive during the design and construction phase of deep foundation projects

Steel Lateral Systems Presentation

Presented by: Patrick McManus, PhD, PE, SE

Principal, Martin/Martin Inc.

This session will provide practical advice to help engineers in their decision making process when selecting appropriate steel lateral systems. The pros and cons of different solutions will be discussed and highlight the following topics:

- Review the basics of steel lateral braced frame and moment frame systems
- Overview and case study on steel lateral system selection in Colorado
- Overview and case study on steel lateral system selection in high seismic areas
- Considerations for use of high seismic systems in low and moderate seismic
- Selected lateral system connection consideration and detailing

EC CORNER-FALL SEMINAR

Structural Engineers Association of Colorado

2017 SEAC FALL SEMINAR Meet the Presenters



Alan Lisowy, PE

Alan has 24 years of experience working in geotechnical engineering and the construction materials testing industry. Mr. Lisowy's experience includes: geotechnical engineering evaluations, construction materials inspection, geotechnical laboratory testing, falling weight deflectometer studies, landslide and cut slope stability evaluations, roadway and pavement design studies, distressed building studies, and shoring design. Mr. Lisowy has significant experience in chemical stabilization of soils using lime, fly ash, and cement kiln dust. He has worked for CTL Thompson since June 2013 where he is currently the Denver Engineering Department Manager. Alan is a member of CAGE (Colorado Association of Geotechnical Engineers) where he served as President in 2009, and he is a member of ACEC (American Council of Engineering Companies).



Patrick McManus, PhD, PE, SE

Patrick McManus holds a Ph.D. in structural engineering and a licensed P.E. and S.E. in ten western states. He started his career with Martin/Martin Consulting Engineers in Denver in 2001. He later headed the Engineering and Detailing Department at Puma Steel in Cheyenne, Wyoming for four years before returning to Martin/Martin. He is currently a principal specializing in steel design, seismic design, and construction services. Pat serves on the AISC Task Committee on Seismic Design and the Committee on Research. He has also served as an adjunct professor at the University of Wyoming and Colorado State University.

EC CORNER-FALL SEMINAR

Structural Engineers Association of Colorado

Registration Information

REGISTER EARLY TO RECEIVE THE DISCOUNT

Early Registration and Payment Deadline: Tuesday, October 3, 2017

Members: \$135.00 Non-Members: \$175.00 Students: \$35.00

Regular Registration Fee Online/ Payment at the Door

Members: \$155.00 Non-Members: \$195.00 Students: \$55.00

Members & Non-members RSVP Online at: <http://seacolorado.org/event/seac-fall-seminar/>

Online payment closes on October 16th.

Make your check payable to: **SEAC**

Mail to the address listed below along with this Registration Form:

SEAC

PO Box 441069

Aurora, CO 80044

Please list all attendee names and contact information.

PAY BY CHECK— REGISTRATION FORM

	SEAC MEMBER (Y/N)	FEE AMOUNT
COMPANY NAME		
ATTENDEE NAMES		
TOTAL AMOUNT		

EC CORNER-FALL SEMINAR

Structural Engineers Association of Colorado

Webinar Registration Information

(ONLY FOR ENGINEERS OUTSIDE METRO AREA)

WEBINAR PRICING :

\$145 (1-2 PEOPLE), \$420 (3-5 PEOPLE) \$755 (6-10 PEOPLE) \$1,199 (11 OR MORE)

Early Registration and Payment Deadline: Tuesday, October 3, 2017

Members: \$135.00 Non-Members: \$175.00 Students: \$35.00

Regular Registration Fee Online/ Payment at the Door

Members: \$155.00 Non-Members: \$195.00 Students: \$55.00

Members & Non-members RSVP Online at: <http://seacolorado.org/event/seac-fall-seminar/>
Online payment closes on October 16th.

The WebEx unique access password for the SEAC Fall Seminar will be e-mailed to you after payment is received (by October 17th). Please list all attendees name and contact information.

Make your check payable to: **SEAC**

Mail to the address listed below along with this Registration Form:

SEAC

PO Box 441069

Aurora, CO 80044

	SEAC MEMBER (Y/N)	FEE AMOUNT
COMPANY NAME		
ATTENDEE NAMES		
TOTAL AMOUNT		

FALL SEMINAR SPONSORS

Structural Engineers Association of Colorado



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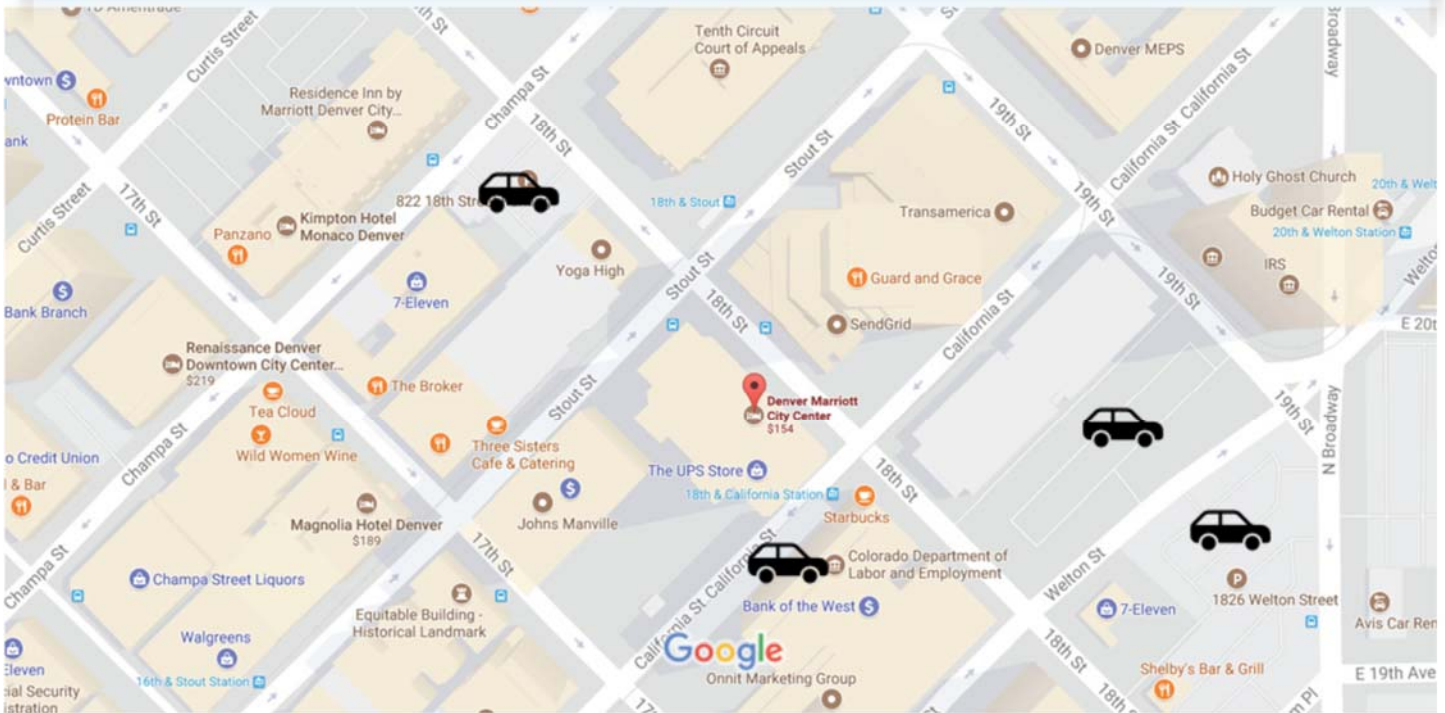
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PARKING INFORMATION



PARKING

RTD Light Rail stops in front of hotel (18th and California)

Would you like to become a SEAC Fall Seminar Sponsor?

We are seeking sponsors for the "**SEAC Fall Seminar raffle prizes**", which will be awarded during the seminar. We offer to advertise your company logo on the seminar screen and in the seminar handouts.

Contact us at: EducationSEAC@gmail.com

EC CORNER

Structural Engineers Association of Colorado

The SEAC Education Committee (EC) hosted its second project presentation sponsored by SEAC and an NCSEA Grant, on August 22nd. Dwight Gilbert with Martin/Martin and Myron Chase with Populous gave an impressive presentation on Colorado State University's new on-campus stadium. Dwight and Myron's presentation included insights into the structural and architectural design of the stadium including project challenges, design alternatives and schedule. There were 40 people in attendance, including industry professionals and students. Additionally, professor Dr. Mahmoud organized a watch party for the project presentation at CSU with his students.



The SEAC Education Committee project presentation series will continue in spring of 2018. Feel free to reach out to EducationSEAC@gmail.com with suggestions for future inspiring project presentation or presentation potential locations.

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 Liason
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	Jeanette 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	9790.619.8986	Jeannette Torrents
Young Engineers	Jeremy Crandall Katie Courtright	303.399.5154	Jeremy Crandall

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



STRUCTURAL ENGINEERING POSITIONS in Boulder and Larimer County Offices

DLK Engineering is a new idea, an *engineering marketplace*. Our engineers set their own salaries in a fun, competitive culture that is totally different than traditional firms. We make higher incomes, work shorter hours, and take more vacation than any firm we know of. (We also have a stocked kitchen + espresso bar.)

We seek engineers who want to be principals in an exceptional team. We encourage rapid advancement to develop strong leadership. Our project managers collaborate closely while still receiving the profit from their own projects with unsurpassed earning power and personal flexibility. We help young engineers become project managers much earlier than other firms, training them early-on to write contracts and develop lasting relationships with great clients. We give new engineers the guidance of experienced mentors to help them grow at an accelerated rate. So – every project manager at DLK could start their own firm,... but in 9 years, none have wanted to leave.

Our mission is “to maximize the potential of engineering to meet human needs”. We are committed to helping engineers fulfill this mission on the exciting playing field of the engineering market in a way that maximizes *enjoyment, satisfaction and income*. We invite you to come learn more about it!

Contact:

-
- Lafayette Office: Delchi Fafach 720-785-4623 delchi@dlkeng.com
 - Loveland Office: Daniel Belleau 970-227-6368 daniel@dlkeng.com

Thornton Tomasetti

Thornton Tomasetti seeks talented Entry-level Engineers for our Denver office. Projects include both new construction and retrofit in cultural, education, high-rise, sports facilities, and government. Thornton Tomasetti provides engineering design, investigation and analysis services to clients worldwide on projects of every size and level of complexity. We are an organization of 1,200 engineers, architects, and sustainability and support professionals collaborating from offices across the United States and in Asia-Pacific, Europe, Latin America and the Middle East.

Responsibilities

- Structural analysis, design and detailing of steel, concrete, masonry and timber systems
- Coordination of design work with in-house staff as well as other design professionals including Architects and other Engineering disciplines
- Preparation of construction documents within a BIM environment

Qualifications

- Undergraduate degree in engineering is required; a Master's degree in structural or architectural engineering is strongly preferred
- Excellent verbal and written communication skills

We offer an excellent benefits package including company-paid medical and dental insurance, a matching 401(k) plan, and a friendly, collaborative work environment. Thornton Tomasetti, Inc. is an Affirmative Action/Equal Opportunity Employer.

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



PEAK ENGINEERING, INC.
CONSULTING STRUCTURAL ENGINEERING

Structural Project Engineer

Are you a licensed Professional Engineer who feels stuck in a job with little opportunity for advancement?

Are you looking for a chance to work in an environment that includes a path to becoming a Project Manager, Associate and Principal?

Are you looking for the chance to work in a team environment and work on a wide variety of projects such as office buildings, retail, industrial, distribution, auto dealerships and more?

If this sounds like the opportunity that you have been looking for, then **Peak Engineering** would like to talk to you about joining our team.

Requirements:

- A B.S. degree from an accredited institution is required
- Must have a Professional Engineer and a minimum of four years of relevant experience
- The applicant should have excellent written and verbal skills and be an independent self-starter

Structural Design Engineer

Peak Engineering, Inc. is seeking structural engineers with 2-4 years' experience in structural design of buildings for our Lakewood, Colorado office. Our project work includes a wide range of commercial building projects in Colorado and throughout the United States. Duties would include structural design in steel, concrete, masonry, and wood with specifications writing, construction documents and construction administration.

If you are interested in the design of such projects in an active, creative environment, then we would like to talk to you about joining our team.

Requirements:

- A B.S. degree from an accredited institution is required
- Must have passed the E.I.T. exam
- Experience with REVIT Structure would be a plus
- The applicant should have excellent written and verbal skills and be an independent self-starter

For more information, visit our website at: www.peakengr.com

Please send your resume to HR@peakengr.com

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



KL&A, Inc.

Structural Engineers and Builders

KL&A, Inc. has full-time openings in our Denver, Golden and Loveland offices for structural engineers w/ 2-6 years of experience.

Full-time position applicants for this position must have:

- A Masters Degree from an accredited civil/structural or architectural/structural engineering program

Preferred applicants will have:

- A P.E. or S.E. license
- Experience with Revit Structure modeling
- Experience in structural design of residential, commercial, industrial, or institutional buildings
- Experience working with architects

Personal attributes of many kinds may be acceptable, but an understanding of and dedication to client-centered service is a requirement.

Applicants should send resume and cover letter to Greg Kingsley (gkingsley@klaa.com) & Camie Beagan (cbeagan@klaa.com).



YOUR EMPLOYMENT AD 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 Ad: \$250
Half Page Ad: \$150
Quarter Page Ad: \$100