



STRUCTURAL ENGINEERS OF COLORADO NEWSLETTER

2018 SPRING SCHEDULE
SIGN UP FOR THESE EVENTS AT
[HTTPS://SEACOLORADO.ORG/](https://seacolorado.org/)

**PE/SE Exam Bridge Review
Session**

March 14, 2018
HDR Office
1670 Braodway, Ste 3400
Denver, CO 80202
6pm

Northern Colorado Meeting

March 15, 2018
CTL Thompson
400 North Link Lane
Fort Collins, CO 80524
7:30am-9am

SEAC/CAGE Joint Meeting

March 15, 2018
Lakewood Country Club
6800 W 10th Ave
Lakewood, CO 80214
7:30am-9am

SAP Training

March 16, 2018
Martin/Martin
12499 West Colfax Ave.
Lakewood, CO 80215
9am-3pm

SEAC Board Meeting (web)

April 5, 2018
7:30am-9am

SEAC Board Meeting (web)

May 3, 2018
7:30am-9am

**Business Management Com-
mittee Meeting**

April 12, 2018
Martin/Martin
12499 West Colfax Ave.
Lakewood, CO 80215
7:30am-9am

**Blue Moon RiNo Brewery
Project Presentation and
Tour (registration open after
the March General Meeting)**

May 2, 2018
Blue Moon Brewery
3750 Chestnut Pl.
Denver, CO 80216
5:45pm-7:30pm

SEAC March General Meeting

Considerations for MSE Block Facing Walls in Colorado

Presented by: Ben Arndt, PE,RJ Engineering and Consulting, Inc

The presentation is an overview of experiences and lessons learned with respect to past performance of MSE block facing walls in Colorado. In general, the performance of MSE block facings can be affected by many factors such as: surface drainage above the wall, orientation of wall facing with daily sun exposure, and subsequent exposure to freeze-thaw cycles. In many instances, facing blocks that are greater than 20 years old are performing well, but other adjacent facing blocks show signs of degradation after just a few years. The presenter will provide a discussion of conditions and factors that degrade facing blocks and how block facing specifications and special provisions may not fully address the specific climatic factors unique to Colorado. The presentation will also discuss some considerations for design and specifications related to Block Faced Walls.

Ben has over 25 years of experience in the geological and geotechnical engineering field. This includes 18 years of working on transportation projects throughout the western U.S., 2 year of forensic engineering, and 5 years of underground mining experience. His areas of expertise include: evaluation, analysis and mitigation of: landslides, unstable rock slopes, rockfall prone areas, and specialty foundation and retaining wall systems. He has over a dozen national publications from the FHWA, TRB, and ASCE on topics that include: rockfall protection, polyurethane resins for rockslope stabilization, retaining wall systems, lightweight geofoam fills, and multiple types of landslide mitigation/foundation systems including coupled drilled shafts to mitigate deep seated landslides.

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

PRESIDENT'S MESSAGE

Structural Engineers Association of Colorado

2018 is officially in full swing! Check the calendar for upcoming events. In addition to our general breakfast meetings every other month, our committees are putting together a lot of great programming. There are still about ten spots left for the SAP training hosted by the SEAC SEER Committee. See the rest of the newsletter for notices of upcoming events sponsored by the Education Committee and Young Members Group as well as a link to a survey for our Existing Building Committee addressing roof diaphragms.

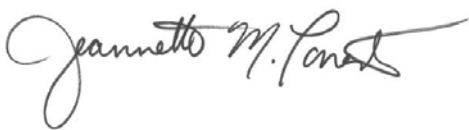
As those of you who attended our January meeting noticed, membership is growing. We had a record 64 new members join in 2017 and are beginning to outgrow the Aspen Room at the Renaissance. The Board is working to find venues that can accommodate our larger membership. In the meantime, please make sure to RSVP for events so that we can do our best to get everyone a chair. The March and July meetings will be held at the Lakewood Country Club, while the May and September meetings are at the Renaissance, so pay special attention to those "Know Before You Go" e-mails that Kim sends out in advance of events.

The growth in membership and programming results in added costs for our organization. The Board is continuing to look for sponsors for our events to help keep expenses down. This year's proposed budget is attached at the end of the newsletter. If you have any questions or comments, please contact the Board.

The Precast Committee has posted "[Recommendations for Structural Grouting of Precast Concrete Structures](#)" on the SEAC website. They will be presenting on this topic at the May General Meeting. Our NCSEA Delegate, Ben Cook, has included some updates from national in the newsletter. It would be great to see some of our SEAC members presenting at the 2018 Summit in Chicago.

Spring is one of my favorite times of year because it gives me the opportunity to interact with the students who will become the future of our profession. Each year, the SEAC Scholarship Fund, Inc. awards two \$3,000 scholarships to deserving upperclassmen or graduate students studying structural engineering. Past winners have gone on to practice structural engineering in Colorado at firms such as JVA, Martin/Martin, Anchor Engineering, KL&A, SCI, HDR, and Peak Engineering. To download an application or pledge form, or to view a list of past winners, please visit <https://seacolorado.org/scholarship>. Help us get the word out to engineering students so that we can help them defray the increasing costs of higher education.

Happy Spring,



Jeannette Torrents
SEAC President



ANNOUNCEMENTS

Structural Engineers Association of Colorado

Welcome to our Newest Members

Professional Members

David Hall
Martin/Martin, Inc.

Erin Kinder
KL&A

Braden Golinski
FORSE Consulting

Emilee Martin
J.R. Harris and Company

Roksana Taghizadeh Daloui
EnCon Design, LLC

Lawrence Graham
JVA, Inc.

Edward Sabia
Martin/Martin

Kathryn (Katie) Hoyt
Martin/Martin, Inc.

Affiliate Members

Zach Bowden
Professional Engineering Consultants

Brad Burback
KL&A

Imran Khan
Meadow Burke, LLC

Austin Reese
Jirsa Hedrick Consulting Engineers

Student Members

Angus Campbell
Colorado School of Mines

Congratulations to Michelle Black (Professional Member) for her selection as one of ENR Mountain States Top Young Professionals for 2018!

ANNOUNCEMENTS

Structural Engineers Association of Colorado

Attention Current Members

Are YOU an Affiliate Member of SEAC who has Recently become Licensed as a PE in Colorado?

- If the answer to the question above is YES, please read on.
- There are two primary differences between Affiliate membership and Professional membership in SEAC.
- According to the Bylaws, only professional engineers registered by the State of Colorado who are actively practicing, teaching, or conducting research in the field of structural engineering may be Professional members.
- Also according to the Bylaws, Professional members are permitted to vote in the association, whereas Affiliate members are not.
- Many young members of SEAC join the association as Student members when they are enrolled full time at a college or university pursuing an engineering degree, or as Affiliate members after graduation when they have passed the Engineer in Training exam, are working for engineering firms, but have not yet taken the PE exam and been licensed as a PE by the State of Colorado.
- The SEAC Bylaws require that any member who wishes to change her/his membership category make a request in writing to the Board of Directors.
- One way this can be done is to fill out the membership application form found on the website, circle the Professional Member category, indicate that you are requesting a change in your membership category from Affiliate or Student, and submit the application along with a copy of your resume.

Existing Structures Committee

Structural Engineers Association of Colorado

**Want to win a gift card?
It takes less than 1 minute!**

The SEAC Existing Structures Committee is looking to gain a larger sample from our survey. Note this survey, is the same survey sent back in September of 2017, 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).

Please take a moment to fill out the survey is should take less than 1 minute! Also, if you fill out the survey, you could be entered into a drawing to win a \$20 gift card! Just enter your email address at the end of the survey. You can fill out the survey by clicking the link below:

<https://www.surveymonkey.com/r/8FGYC8Y>

Sincerely,

The Existing Structures Committee

2018 Meeting Topics

Martin & Martin 7:30am-9:00am

February 8, 2018

General Business

Topic: Review of Last Year's Business Practices Survey Results

April 12, 2018

General Business

Topic: Health Insurance Market in Colorado

Presentation by Mike Gallagher, Colorado Insurers Service

June 14, 2018

General Business

Topic: Mentoring and Professional Development in Today's Consulting Firms

Presentation/Discussion led by Paul Doak and Tom Soell

August 9, 2018

General Business

Topic: Review of 2018 Business Practices Surveys A & B

October 11, 2018

General Business

Topic: Ownership Transition

Presentation TBD

SEAC 2018 Calendar

Structural Engineers Association of Colorado

2018 SEAC EVENT SCHEDULE

BOARD OF DIRECTOR MEETINGS: JVA, INC./ WEBEX
1319 SPRUCE STREET, BOULDER, CO 80302

BUSINESS MANAGEMENT MEETINGS:
MARTIN/MARTIN
12499 WEST COLFAX AVE. LAKEWOOD, COLORADO 80215

GENERAL MEETINGS: RENAISSANCE HOTEL
3801 QUEBEC ST., DENVER, CO 80207
LAKEWOOD COUNTRY CLUB
6800 W 10TH AVE, LAKEWOOD, CO 80214

FALL SEMINAR: SHERATON DENVER WEST
360 UNION BLVD., LAKEWOOD, CO 80228

NCSEA SUMMIT:
SHERATON GRAND
301 E NORTH WATER ST., CHICAGO, IL 60611

NORTHERN COLORADO MEETINGS:
CTL THOMPSON
400 NORTH LINK LANE, FORT COLLINS, CO 80524

SEAC DATES	DATE	DATE	DATE	DATE	DATE	DATE
BOD MEETING 7:30 AM	1.4.2018	3.1.2018	5.3.2018	7.5.2018	9.6.2018	11.1.2018
BOD - WEBEX 7:30AM	2.1.2018	4.5.2018	6.7.2018	8.2.2018	10.4.2018	12.6.2018
BUSINESS MANAGEMENT 7:30 AM	2.8.2018	4.12.2018	6.14.2018	8.9.2018	10.11.2018	
GENERAL/ANNUAL MEETING 7:30AM/6:00PM	1.18.2018	3.15.2018	5.17.2018	7.19.2018	9.20.2018	11.8.2018
NORTHERN CO MEETING 7:30AM	2.15.2018	4.19.2018	6.21.2018	8.16.2018	11.15.2018	
FALL SEMINAR 7:30AM	10.11.2018					
NCSEA SUMMIT	10.24.2018	10.25.2018	10.26.2018	10.27.2018		

Education Committee

Structural Engineers Association of Colorado

PE/SE Exam Bridge Review Session

The SEAC Education Committee and SEAC YMG would like to invite you to the PE/SE Exam Bridge Review Session. Come join us on **Wednesday, March 14th at 6:00pm** at the HDR office in Denver for a review session on bridge design, including a review of the AASHTO code and exam tips.

- Session led by Brent Whitcomb, Senior Structural Engineer at WSP USA.
- Bring your AASHTO code and come prepared with questions.
- Estimated 1.5 hour session duration. We will webcast this session via Skype for remote engineers.

RSVP by signing up [here](#) by Sunday, March 11



If you have any questions, please contact the SEAC Education Committee at EducationSEAC@gmail.com.

Blue Moon RiNo Brewery Project Presentation and Tour

The SEAC Education Committee would like to invite you to a presentation and tour of the Blue Moon Brewery located in the RiNo district on **Wednesday May 2nd from 5:45pm-7:30pm**. The project presentation will provide a background on the design and construction of the brewery including design challenges and innovations. The presentation will be followed by a tour of the facility and beer sampling. This event will be open to SEAC members and non-members.

Stay tuned for more information on the SEAC website. Event registration will open following the SEAC March breakfast meeting.

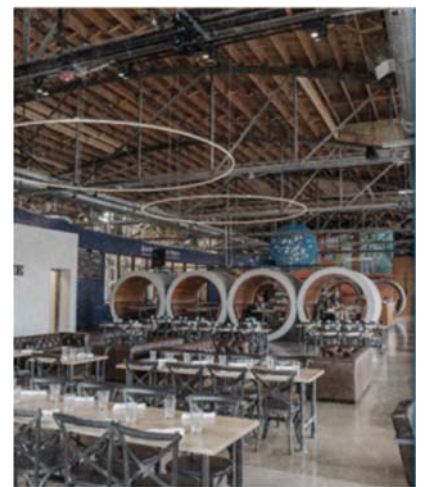


Photo Credit: www.bluemoonbrewingcompany.com

Educational Opportunities

Structural Engineers Association of Colorado

Post Disaster Safety Assessment Program (SAP) Certification Training

March 16th 9am-3pm
Martin/Martin
12499 W. Colfax Avenue, Lakewood
Cost \$15 (includes lunch)

This certification is one of the credentials required to join the National Council of Structural Engineers Associations (NCSEA)'s database of 2nd responders that may be contacted in the event of a widespread disaster to assist local building officials with safety evaluations of damaged buildings. Certification is not limited to registered engineers. Registered architects, building officials, and EITs may also obtain certification.

Save the date!

When: April 19th @ 7:30 a.m.
What: Engineer Panel Discussion
Where: Lakewood Country Club

Free for RMSCA members and engineers

Registration details on RMSCA.org



Young Members Group

Structural Engineers Association of Colorado

“You Can’t Just Delegate Everything Away to Others with Deferred Submittals”

Martin/Martin opened the doors of their Lakewood office in January to the structural engineering community for Ben Nelson’s presentation addressing common misunderstandings regarding the IBC requirements related to delegated design and deferred submittals. This event was an opportunity for young engineers to share experiences and discuss common practices for deferred submittals with other engineers and local building officials. It also allowed the group to gain a better understanding of how delegated design is handled in different parts of the country. Takeaways for the 28 attendees included lessons learned and suggested best practices for delegated design and deferred submittals.



SEAC YMG Happy Hour

The SEAC YMG and a local social group called the "New Brew Crew" teamed up for a happy hour event in January to kick off the year. The New Brew Crew consists of young professionals who visit new breweries twice a month to explore the fine ales of Colorado. Collaborating provided a great opportunity for everyone to socialize and network, both in and out of the structural engineering field. To further encourage attendance, two filled growlers sponsored by Alpine Dog Brewery were raffled off as door prizes. There were about 25 people in attendance, half of which were SEAC YMG members.



2018 SEAC Budget

Structural Engineers Association of Colorado

SEAC 2018 Proposed Budget and Year over Year Comparison					
	2018	2017		2016	
	Budget	Actual	Budget	Actual	Budget
Income					
Dues - Membership Dues					
Student/Out-of-Area	\$4,080	\$2,670	\$3,570	\$1,710	\$3,480
Business Mgmt.	\$1,050	\$840	\$750	\$750	\$500
Local	\$38,080	\$35,690	\$41,100	\$35,858	\$38,020
<i>Total Dues - Membership Dues</i>	<i>\$43,210</i>	<i>\$39,200</i>	<i>\$45,420</i>	<i>\$38,318</i>	<i>\$42,000</i>
Annual Dinner Sponsor	\$1,000	\$0	\$0	\$0	\$1,000
Employment Advertisement	\$2,000	\$2,950	\$1,000	\$800	\$1,000
Fall Seminar	\$21,000	\$21,170	\$21,000	\$20,740	\$16,000
Fall Seminar Sponsor	\$4,000	\$6,200	\$2,000	\$2,000	\$1,000
Fees - Annual Meeting	\$5,000	\$4,908	\$2,000	\$1,890	\$1,500
Fees - Breakfast Guests	\$640	\$1,280	\$0	\$1,566	\$500
Interest Income	\$24	\$24	\$24	\$24	\$0
Golf Tournament Income	\$2,400	\$2,406	\$1,800	\$1,896	\$1,000
Gingerbread Bridge Income	\$4,000	\$4,042	\$0	\$1,871	\$1,000
Education Committee 2016 Grant	\$0	\$0	\$0	\$3,000	
Business Practice Survey	\$800	\$150	\$0	\$0	\$0
Sales - Breakfast Sponsors	\$4,000	\$4,000	\$2,000	\$0	\$2,000
Total Income	\$88,074	\$86,329	\$75,244	\$72,106	\$67,000

2018 SEAC Budget

Structural Engineers Association of Colorado

Expense					
Accountant	\$1,350	\$2,010	\$2,200	\$3,386	\$1,250
Awards	\$400	\$790	\$350	\$1,314	\$500
Bank Charges	\$0	\$75	\$0	\$550	\$25
Steel Committee Expenses	\$200		\$1,820	\$1,371	\$1,500
YMG Committee Expenses	\$5,850	\$4,259		\$2,302	
Education Committee Additional Programming	\$3,280	\$3,295	\$4,200		
Admin Labor	\$12,900	\$12,261	\$14,950	\$14,380	\$14,000
IT Labor	\$1,250	\$1,523			
NCSEA Summit	\$4,500	\$4,348	\$3,600	\$5,300	\$3,250
NCSEA Fall Summit scholarship	\$2,000	\$0	\$1,800	\$0	\$0
Meetings - Annual Dinner	\$14,665	\$13,554	\$7,000	\$7,725	\$7,500
Meetings - Business Practice	\$800	\$672	\$1,600	\$1,527	\$1,500
Meetings - Fall Conference	\$10,500	\$17,145	\$9,800	\$10,377	\$9,000
Meetings - General Membership	\$19,500	\$17,283	\$16,500	\$14,751	\$17,000
Meetings - Northern Colorado	\$1,200	\$253	\$300	\$259	
SEER	\$500	\$0	\$0	\$0	\$0
Miscellaneous	\$60	\$60	\$730	\$1,321	\$300
NCSEA Dues	\$7,380	\$6,300	\$5,400	\$5,280	\$6,500
Office Supplies	\$30	\$28	\$0	\$0	\$300
Postage	\$10	\$7	\$0	\$0	\$25
Print/Postage New Mmbr. Binders	\$0	\$0	\$0	\$61	\$500
Gen Mtg Speaker Fees/Exps	\$500	\$200	\$0	\$0	\$500
WebEx/Survey Monkey/QuickBooks	\$468	\$468	\$668	\$988	\$1,000
Computer Hardware	\$0	\$2,021		\$2,362	
SEAC Scholarship Fund Donation	\$0	\$0	\$1,000	\$0	\$1,000
Survey - Business Practice	\$800	\$800	\$800	\$800	\$500
Square Fees & PayPal fees	\$1,321	\$1,221	\$1,500	\$1,200	
Insurance (D&O + General Liability)	\$1,000	\$0	\$2,000		
Website Fees	\$960	\$724	\$515	\$244	\$8,100
Website Labor	\$2,400	\$1,815	\$6,185	\$7,444	
Total Expense	\$91,424	\$89,298	\$76,733	\$75,499	\$74,250
NET INCOME	-\$3,350	-\$2,968	-\$1,489	-\$3,393	-\$7,250

CD		\$11,372			
SAVINGS		\$47,656			

Member Portal Login Information



News from the National Council of Structural Engineers Associations

Are You Taking Advantage of Every Member Benefit?

NCSEA Member Portal Provides More Benefits for SEA Members

The NCSEA Member Portal contains member benefits that you must log in to access. Established in 2015, the Member Portal was created to host member-only documents, contact information, and member perks. As a member of your state's SEA or member organization (SEAOC, SEAoO, FSEA, etc.) you are also a member of NCSEA and receive additional benefits through us! These benefits are now easier to find and access. After compiling the feedback we received, we combed through the Member Portal as well as www.ncsea.com to streamline the process of accessing content, creating a better user experience.

Recently, emails have been sent to SEA members containing login information, but our information is only as good as the information you use to renew your membership with your state organization. Meaning, if you haven't updated your information with them in a while you might be logging in with an old email; that's ok, you can update it as soon as you login. If you haven't received this email or need additional help logging in, please contact the NCSEA office at ncsea@ncsea.com.

Fast forward a bit; you've logged in, now what? What do you have access to? Once you've logged in, you will see a new tab on top titled "Member-Only Resources." This drop down gives you access to four, easy to follow categories: SEA Resources, NCSEA Committees, Young Member Groups, and ICC Publications. So what is included?



- **Tools for Your SEA**
 - A list of Recommended Speakers to use for your webinars or in-person meetings
 - Benchmarking Data - Compare your actions with other SEAs.
 - Outreach Resources - Tools to better connect with the media and general public.
 - Free Recordings from NCSEA Communication Webinars.
- **NCSEA Committee Minutes** - An inside look at what NCSEA Committees are doing.
- **Young Member Group Resources**
 - How do you start a new YMG? What tools will help you succeed?
- **ICC Publication Discounts** - visit this page to save on the materials you need!
- **Your NCSEA Record** - Keep your contact information and preferences up-to-date to ensure delivery of NCSEA and other membership-related materials.
- And more!

The best way to utilize these additional benefits is to get started now. Login, take a look around, and make sure you are getting the most of your membership by using all the assets it offers!

NCSEA News

Structural Engineers Association of Colorado

NCSEA Webinars

March 29, 2018: Snow Drift Loading– Current Procedures and Future Directions

April 12, 2018: Preconstruction Estimating: Foundations & Structures

April 26, 2018: ASCE 7-16 Component and Cladding Wind Design

Register at www.ncsea.com

Webinar Time 11 am Mountain

Courses award 1.5 hours of continuing education

Call for Abstracts

The 2018 NCSEA Structural Engineering Summit Committee is seeking 60 minute presentations that deliver pertinent and useful information that is specific to the practicing structural engineer.

In the 2017 post-Summit Survey, attendees expressed direct interest in the following:

- Case Studies
- Lessons Learned
- Snow Loads
- Ethics
- Bettering Communication
- Business Practices
- Accounting
- Client Growth

The Summit will feature education specific to the practicing structural engineer, in both technical and non-technical tracks. Desired submissions are those on best-design practices, new codes and standards, recent projects, advanced analysis techniques, management, business practices, and other topics that would be of interest to practicing structural engineers.

Abstracts are due March 30, 2018. To submit click on the link below:

<http://www.ncsea.com/meetings/annualconference/abstracts/>

ICC is giving NCSEA Members Access

TEXAS AWARENESS FLOODPLAIN CONSTRUCTION TRAINING



Learn to build with Resilience in Mind
Join us for an informative 1.5 hour live webinar

March 19, 2018 from 2-3:30 CST
March 20, 2018 from 2-3:30pm CST
March 20, 2018 from 2-3:30pm CST

Click the link below to register
http://www.ncsea.com/topics/201803_iccwebinar/

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



KL&A, Inc.

Structural Engineers and Builders

Assistant Construction Manager

KL&A, Inc. is a nationally recognized, forward thinking structural engineering and steel construction firm with multiple offices in Colorado and Wyoming. We have been recognized for many years as one of the top structural engineering firms to work for in the U.S.,

and are known among our clients as creative and actively engaged in the design and building process. For over 20 years we have been an industry leader with integrated services of structural design, steel detailing, fabrication and erection of steel structures. Please visit us at www.klaa.com for a sample of our wide range of work and services. KL&A has a unique opportunity for an experienced structural engineer or construction manager interested in bridging the design and construction professions. The position will support our steel construction management activities through pre-construction services, estimating, and assisting construction managers on active projects. The work will be based in either our Loveland, Colorado or Golden, Colorado offices. There is room for growth and advancement in a unique, employee owned organization.

Job Description and General Responsibilities include but are not limited to:

- Identifying and addressing potential constructability and engineering issues for steel projects
- Collaborating with structural engineers, architects, fabricators, erectors and general contractors
- Estimating structural and miscellaneous steel projects using Revit, Bluebeam and proprietary Cost Modeler
- Troubleshooting field and fabrication issues
- Developing and maintaining strong client relationships
- Actively participating in a team environment
- Tracking and analyzing project budgets
- Establishing and maintaining a steel construction schedule

Reviewing of shop drawings

Minimum Skills and Experience:

- Must be a US citizen or able to work in the US without sponsorship
- Minimum BS in Civil Engineering, Architectural Engineering, or Construction Management program.
- Minimum 3 years of either structural engineering or architectural design experience or 4 years of construction management experience on steel building structures
- Experience with construction administration
- Experience working and collaborating with architects
- Must be thorough with high attention to detail
- Self-starter and active problem solver
- Working familiarity with standard commercial building codes
- Revit experience or willingness to learn

Proficiency with standard office software such as Outlook, Excel, Bluebeam, Word, etc.

Desired Skills and Experience:

- Experience working as an estimator or project manager on commercial projects
- MS with an emphasis in structures or Construction Management training preferred
- Experience working for a steel fabrication or erection company
- Experience with SDS/2 steel detailing software
- Proficiency with Revit
- Professional Engineer license

Personal attributes of many kinds may be acceptable, but an understanding and dedication to client- centered service is an absolute requirement. KL&A, Inc. is an equal opportunity employer offering competitive wages, excellent health/ vision/dental benefits and 401k matching. Please contact both Camie Beagan (cbeagan@klaa.com) and Shaun Franklin (sfranklin@klaa.com) to submit a resume or get more information.

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



Olde Town Arvada office has an exciting opportunity for a Senior Project Structural Engineer to lead our project team. We are looking for a competent, self-motivated, personable, problem-solver who remains professional and flexible in a fast-paced environment. The ideal candidate will have at least eight years of structural engineering experience, at least two years of management experience, be reliable, resourceful, thrive under pressure, professional, competent in client relations, a high-functioning multi-tasker, and have excellent interpersonal skills. This individual will play an important role as a team leader, who will participate in design coordination, execution, and construction administration on an array of projects ranging from residential to commercial real estate.

Education and Qualifications:

Licensed Professional Engineer

Minimum of a Bachelor's Degree with a structural engineering emphasis

8+ years of experience in structural engineering with comprehensive knowledge of structural design standards and codes

2+ years of management experience

Proficient in AutoCAD, experience with RAM Elements

Proficient in Microsoft Office Suite (Outlook, Word and Excel)

Excellent written and verbal communication skills

We are also looking to fill our Structural Project Engineer position. The ideal candidate will have between 5-7 years of structural engineering experience, efficient in structural design and AutoCad drafting, be reliable, resourceful, thrive under pressure, professional, competent in client relations, a high-functioning multi-tasker, and have excellent interpersonal skills. This individual will play an important role as a team member, who will participate in design coordination, execution, and construction administration on an array of projects ranging from residential to commercial real estate.

Education and Qualifications:

Minimum of a Bachelor's Degree with a structural engineering emphasis

5-7 years of experience in structural engineering with comprehensive knowledge of structural design standards and codes

Proficient in AutoCAD, experience with RAM Elements

Proficient in Microsoft Office Suite (Outlook, Word and Excel)

Excellent written and verbal communication skills

Compensation: Both positions are full-time salaried positions. The targeted salary range will be established based on the skill set and the experience level of the applicant. Company benefit packages are available. Please send cover letter and resume to khoover@studio818engineering.com. No phone calls, please.

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



Structural: Professional Engineer

Martin/Martin, Inc. is seeking to add an engineer to work in our Mountain office on a wide variety of fast-paced projects ranging from commercial, residential, hospitality, medical, mountain sports, investigative and numerous others. The successful candidate will have the opportunity to develop a broad range of expertise in many areas. Martin/Martin is the leading civil/structural engineering consulting firm in the region. We are client focused and employee centered.

Required Qualifications:

- 6 to 12 years of progressive structural engineering experience
- Registered Professional Engineer in Colorado
- Strong knowledge of building and design codes
- Strong background and understanding of computer analysis, design, and REVIT software
- Excellent time-management skills
- Self-motivated and able to work independently for extended periods of time
- Ability to manage a project team of EIT's and technicians
- Strong work ethic
- Demonstrates strong commitment to continued personal growth and development in all aspects of their work
- Excellent written and verbal communication skills
- Good written and verbal communication skills

Desired Qualifications:

- Master's degree in Civil or Architectural Engineering, with an emphasis on structures
- Demonstrated ability to design, detail, coordinate, and model projects
- Completed many new projects as well as remodel/addition/tenant improvement projects
- Ability to manage multiple projects, clients, and staff
- Desire to take part in marketing and business development activities
- Knowledge of investigative engineering and tools and the ability to diagnose problems and develop creative solutions
- Enjoys outdoor pursuits and taking advantage of this special opportunity to work and play in the Vail Valley

Qualified applicants should apply using [Martin/Martin's online application](#), attaching a cover letter and resume.

Martin/Martin, Inc. is dedicated to the principles of equal employment opportunity. We prohibit unlawful discrimination against applicants or employees on the basis of age 40 and over, color, disability, gender identity, genetic information, military or veteran status, national origin, race, religion, sex, sexual orientation or any other applicable status protected by state or local law.

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



Structural: Investigative Engineer

Martin/Martin, Inc. is looking for an experienced structural engineer to join our Existing Building Services group in the Lakewood, Colorado office. We are seeking to add a structural engineer who will work for various project managers on different project types within the investigative team. The successful candidate will primarily work with our fall protection and façade access system team with opportunities to also gain expertise in other areas of investigative engineering including: forensic analysis, historic preservation, non-destructive testing, seismic retrofit, repair and remodel work.

The successful candidate will join a collaborative team of engineers and technicians who work on many interesting and challenging investigative projects. He/she will develop expertise in a broad range of investigative engineering as well as be exposed to structural steel, concrete, masonry, and wood construction for investigative projects in and around the Rocky Mountain region.

Required Qualifications:

- Bachelor's degree in Civil or Architectural Engineering, with an emphasis on structures (Master's degree strongly preferred)
- 3 to 5 years of progressive structural engineering experience
- Registered Professional Engineer in Colorado or able to obtain within 1 year
- Strong knowledge of building and design codes
- Strong background and understanding of computer analysis and design software
- Excellent time-management skills and the ability to work on multiple projects
- Self-motivated and able to work independently for extended periods of time
- Strong work ethic
- Demonstrates commitment to continued personal growth and development in all aspects of their work
- Good written and verbal communication skills
- Willingness to perform field work including building documentation, investigation, and fall protection load testing

Desired Qualifications:

- Demonstrated ability to design, detail, coordinate, and model small to medium-sized projects
- Completed several remodel/addition/tenant improvement projects
- Competent in the use of Revit or Autocad for producing engineering drawings

Qualified applicants should apply using [Martin/Martin's online application](#), attaching a cover letter and resume.

Martin/Martin, Inc. is dedicated to the principles of equal employment opportunity. We prohibit unlawful discrimination against applicants or employees on the basis of age 40 and over, color, disability, gender identity, genetic information, military or veteran status, national origin, race, religion, sex, sexual orientation or any other applicable status protected by state or local law.

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



Structural: Professional Engineer

Martin/Martin, Inc. is seeking to add an engineer to work in our Lakewood office on a wide variety of fast-paced projects ranging from commercial, higher-ed, hospitality, medical, K-12, and numerous others. The successful candidate will have the opportunity to develop a broad range of expertise in many areas. Martin/Martin is the leading civil/structural engineering consulting firm in the region. We are client focused and employee centered.

Required Qualifications:

- 6 to 12 years of progressive structural engineering experience
- Registered Professional Engineer in Colorado
- Strong knowledge of building and design codes
- Strong background and understanding of computer analysis, design, and REVIT software
- Excellent time-management skills
- Self-motivated and able to work independently for extended periods of time
- Ability to manage a project team of EIT's and technicians
- Strong work ethic
- Demonstrates strong commitment to continued personal growth and development in all aspects of their work
- Excellent written and verbal communication skills
- Good written and verbal communication skills

Desired Qualifications:

- Master's degree in Civil or Architectural Engineering, with an emphasis on structures
- Demonstrated ability to design, detail, coordinate, and model projects
- Completed many new projects as well as remodel/addition/tenant improvement projects
- Ability to manage multiple projects, clients, and staff
- Desire to take part in marketing and business development activities
- Knowledge of investigative engineering and tools and the ability to diagnose problems and develop creative solutions

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Newsletter Ads

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 Ad: \$350
Half Page Ad: \$250
Quarter Page Ad: \$200

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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!