



STRUCTURAL ENGINEERS OF COLORADO NEWSLETTER

2019 WINTER SCHEDULE

SEAC Board Meeting

November 7, 2019
Lam Wood-Systems
7:30am-9am

SEAC Annual Member Meeting

November 8, 2019
History Colorado Center
1200 Broadway
Denver, CO 80203
7:00pm-9:00pm

SEAC EC Happy Hour

November 14, 2019
Thirsty Lion Gastropub &
Grill
1605 Wynkoop St., Denver
6pm-7:30pm

NoCo Meeting

November 21, 2019
CTL Thompson
400 North Link Lane
Fort Collins, CO 80524
7:30am-9am

Gingerbread Bridge Competition

November 22, 2019
Dry Dock Brewery - South
Dock
15120 E. Hampden Ave.
Aurora, CO 80014
11:45am-2pm

SEAC Board Meeting

TBD PENDING ELECTION

SEAC Annual Meeting at the History Colorado Center on November 8th from 6-9pm

SEAC would like to say thank you for all your support throughout the year. Please join us for an evening of good food and entertainment.

The History Colorado Center will open its doors for our event and allow attendees to view some of the exhibits as SEAC's guest. In addition, SEAC has invited storyteller John Stansfield to take us back in time to meet Enos Mills, the driving force behind the creation of Rocky Mountain National Park, which celebrated its centennial in 2015, and the National Park Service in 1916.

When:

November 8, 2018 from 6pm-9pm

Where:

Colorado History Center

What:

Nomination of Directors & Officers for 2020

Service Award Presentations

Presentation: The Life of Enos Mills

Dinner

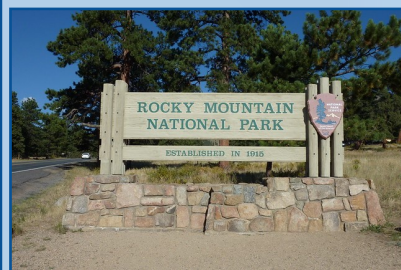
Cash Bar

Access to Center Exhibits

Guests are Welcome!

\$75 Members and Guests

\$40 Students

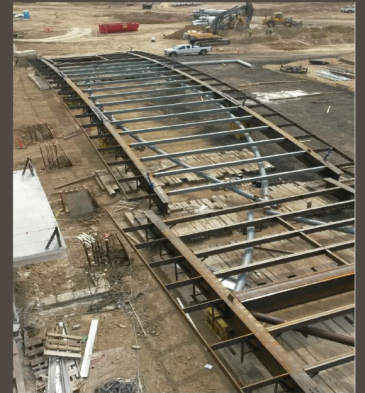


SPONSORED BY:



DRAKE-WILLIAMS STEEL
BUILDING VALUE

2019 Annual Meeting Sponsor



REMARKABLE
HISTORY.



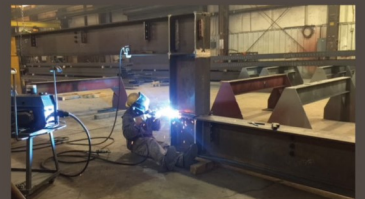
IMPRESSIVE
RESUME.

And over 200 employee-owners dedicated to

BUILDING VALUE
for our customers and our community.

WWW.DWSTEEL.COM

303.721.9500



PRESIDENT'S MESSAGE

Structural Engineers Association of Colorado

And here we are, its November. Along with winter weather all around, the time change behind us, I am writing my final president's message. As I reflect back on this, I am proud of the continued progression of the organization. Streamlining processes, more programing made available to our members, dormant committees becoming active, pre-planning the next year's events are just a few of the achievements of this past year in SEAC.

There are 2 individuals I would like to thank for their dedication and service to the organization as they exit the board, Jeanette Torrents and Donald Harvey. Jeannette's term as Past President, as well as Donald's term as a Director expire at the end of December. Both individuals have had great ideas and effort to improve the organization. They have done their best to serve you, as a member of the organization, throughout their terms.

As stated in the By-laws, I appointed the Nominating Committee in September. The committee consists of Jerry Maly, Ben Nelson and Brenda Yockstick. They went to work to find a slate of candidates and provided this to the board. The ballot once again, will have individuals who are willing to volunteer their time to serve and carry the organization into the future. The candidates for the Officer and Director positions will be announced at the Annual Meeting at History Colorado Center on November 8.

The Annual Meeting is November 8, and I invite you along with a guest to attend. The event will be entertaining as well as informative for you and your guest. We have a speaker coming in character as Enos Mills. You may wonder who that is, he is a man who was instrumental in the creation of the Rocky Mountain National Park. Along with this, it is your opportunity to support those who are receiving various awards. Brent Norris will be awarded Life Membership for the many years of being active in SEAC, Greg Black will receive Service Award, and we will recognize Jeannette Torrents as Past President. PLEASE REGISTER TODAY AS WE NEED TO SOLIDIFY THE FOOD ORDER.

As we near the end of the year, you will be receiving your membership renewal notice. Please renew as soon as you receive the email as it helps the incoming Board out immensely.

While we are not perfect as an organization, we are resilient and continue to improve and grow. I hope you agree. SEAC is one of the most active SEA's and our members are active and doing what they can to progress our profession. We have grown yet again this year. We have added 56 new members in 2019.

I want to close with gratitude in all of you in entrusting me to serve as President of the organization.

Choose to make today a great one!



Jeremy Crandall, SEAC President

Watch for the online link to vote for SEAC Leadership!

The ballot link will be emailed following the SEAC Annual Membership Meeting
no later than November 11.

SEAC Committee News

Structural Engineers Association of Colorado

SEAC Educational Committee—2019 Fall Conference Summary

The SEAC Education Committee hosted the 2019 SEAC Fall Seminar on Thursday, October 10th at the DoubleTree by Hilton hotel in Westminster. There was a great turn out with 138 people attending the seminar in person and 19 attendees watching the webinar remotely. Thank you to our presenters, Roy Denoon and Don Kline, for their informative and engaging presentation on "Practical Wind Engineering & Design and Construction of Post-Tension Concrete - What You Need to Know" presentations, respectively. We hope everyone enjoyed the seminar and networking with the wide range of the Fall Seminar sponsors.



Attendees at the 2019 Fall Seminar.



Sponsors of the 2019 Fall Seminar.



SEAC Educational Committee Members attending the 2019 SEAC Fall Conference

Thank you 2019 SEAC Fall Seminar Sponsors

Structural Engineers Association of Colorado

GOLD



SILVER



VISICON ADAPT

BRONZE

REDFIN

RAFFLE





2019 SEAC EC Happy Hour

Thursday, November 14th



Come to join us after work for SEAC Education Committee (EC) Happy Hour. All current and new prospective EC members are welcome to attend, and your first drink is on us. It will be a fun networking event.

WHEN: Thursday, November 14th; 6:00 pm to 7:30pm

LOCATION: Thirsty Lion Gastropub & Grill
1605 Wynkoop St., Denver

RSVP: By Tuesday, November 12th at EducationSEAC@gmail.com

The SEAC Education Committee organizes various educational events, including Fall Seminar, Project Presentations, Job Site Tours and PE/SE Review Webinars and Bridge Review Session.



The restaurant is located in LoDo Denver, nearby the Union Station. Take advantage of the public transportation, and arrive via bus or light rail & just walk across.

Parking on street or in a nearby parking garage is available. <https://en.parkopedia.com/parking/denver/>



SEAC Committee News

Structural Engineers Association of Colorado

SEAC Young Professionals Committee Vaisala CLT Site Visit & Tour

Four members of the SEAC YMG visited the construction site of Vaisala's North American Headquarters being built by FCI Constructors, Inc. on October 18, 2019 in Louisville, CO. The building system is a cross-laminated timber (CLT) hybrid, with CLT floor and roof panels supported by structural steel framing. The tour highlighted unique challenges with CLT construction, including craning the panels into place around obstacles, identifying and sourcing fasteners with sufficient capacity to link the panels together, and detailing connections for high performance while allowing for differential movement between the various structural elements. Despite these challenges and the fact that CLT is still a new material for most of Colorado's Front Range, the Vaisala project is advancing quickly and is still on schedule. The site visit concluded with a tour of Vaisala's current manufacturing facility, which produces a wide variety of weather monitoring devices and other remote sensing equipment.



The SEAC YMG would like to recognize the following companies and employees for volunteering their time and effort to introduce the Gingerbread Bridge Competition to student teams at four different middle schools (Thunder Ridge, North Arvada, Campus, and Fox Ridge) associated with the STEM Blazers program. A special thanks to:

Anchor Engineering, Inc.

JVA, Inc.

Wallace Engineering

Burns & McDonnell

Martin/Martin Consulting Engineers

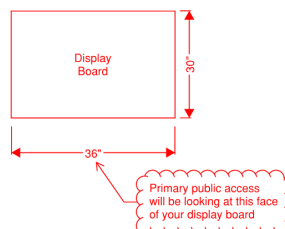
Wiss, Janney, Elstner Associates, Inc.

Structural Consultants, Inc.

It is through the help of passionate volunteers from the companies mentioned above that we were able to enlighten students to the possibility of a future in structural engineering if they desire and if not, we can enlighten the students to a fun-filled activity that requires the use of many concepts that engineers are faced with daily. We would love to have your company join us next year in our efforts to reach out to students in the community.

The SEAC YMG would like to announce Max Wolfe of S.A. Miro as the recipient of the 2019 NCSEA Structural Engineering Summit Scholarship. There were several very well written applications, and we would like to thank all of the applicants for taking the time to submit an essay. Congratulations to Max, and we hope that your trip in November allows you to continue learning and growing in our profession.

Gingerbread Bridge Competition Rule Change: Due to unforeseen site access constraints, the bridge and surrounding elements will need to fit onto a 36"x30" display board. Primary public access will be along the long dimension of the board.



Gingerbread Bridge Competition

Structural Engineers Association of Colorado

ATTENTION:
ENGINEERS, ARCHITECTS
& BUILDERS
COME SHOW YOUR CREATIVITY



WHEN: November 22, 2019 at 12pm
WHERE: Dry Dock Brewing - South Dock
15120 E. Hampden Ave.
Aurora, CO. 80014
COST: \$50 per Bridge

Registration and entry fee payment required by Oct. 30, 2019
Interested in sponsoring the event?
Sponsorship deadline is Oct. 18, 2019
Register to sponsor or compete in the 2019 Gingerbread
Bridge Competition at seacolorado.org on the Events page.
Visit <http://gingerbreadbridge.com/denver/rules-denver/>
for the 2019 Competition Rules

sponsored by



gingerbreadbridge.com



NCSEA News

Structural Engineers Association of Colorado

NCSEA Webinars

November 7th

Permanent Bracing for Metal Plate Connected Wood Trusses

November 19th

Ground Improvement for Structural Engineers

December 5th

ASCE 7-16 Determining Component and Cladding Wind Pressures for Roofs

December 10th

Mass Timber Structural Floor & Roof Design

A full list of upcoming webinars is available [here](#).

Recorded Webinars can be purchased [here](#).

NCSEA SE Refresher and Exam Review Course

The Best Instructors. The Best Material. Available to you immediately.

NCSEA's restructured SE Review course is now **completely on-demand**. Review course materials and watch the recordings when it is **convenient for YOU**. PLUS...attendees have access to a virtual classroom to ask the instructors questions whenever they arise.

At \$495 for members and \$695 for nonmembers (with group pricing available), this **on-demand course is the most economical SE Exam Prep Course available**. The course includes **30 hours of instruction**: 8 Vertical Sessions and 10 Lateral Sessions. The course will give you exam preparation tips and problem-solving skills to pass the exam. All lectures are up-to-date on the most current codes. Handouts and quizzes are available.

[View the list of our expert speakers and complete course listing here.](#)

The Virtual Classroom provides you an online chat room for course discussion with instructors and other attendees

Bundle Registration Fee:

NCSEA Members \$495.00

Non-Members \$695.00

Vertical Only Registration Fee:

NCSEA Members \$295.00

Non-Members \$395.00

Lateral Only Registration Fee:

NCSEA Members \$295.00

Non-Members \$395.00

[Click here to register.](#)

Other Industry Events

Structural Engineers Association of Colorado

Courtesy Briefing on 2019 Building & Fire Code Amendments

November 5 | 3-5:30 p.m.

Denver Post Building Auditorium

101 W. Colfax Ave.

Join us for a courtesy briefing on the 2019 Denver Building and Fire Code Amendments.

Presentation of the most relevant updates and changes starts at 3 p.m. with Q&A to follow.



ASCE COLORADO INVITES YOU!

COLORADO INFRASTRUCTURE REPORT CARD RELEASE

—

January 30, 2020 • 10:00AM
Colorado State Capitol West Foyer
200 E Colfax Ave. Denver, CO 80203

RSVP/QUESTIONS TO PEYTON GIBSON 910-551-7054
OR PEYTON.J.GIBSON@GMAIL.COM

The ASCE logo, featuring the letters 'ASCE' in a bold, blue, sans-serif font, with the text 'AMERICAN SOCIETY OF CIVIL ENGINEERS' in a smaller font below it.

25 SUCCESSFUL YEARS GROWING THE INTEGRATED CONSTRUCTION INDUSTRY WORKFORCE



- ▶ **50,000+ HIGH SCHOOL STUDENTS**
FROM 37 STATES INTRODUCED TO ACE INDUSTRY CAREERS
- ▶ **10,000 MENTORS**
\$150 MILLION WORTH OF VOLUNTEER SERVICE
- ▶ **\$19 MILLION IN SCHOLARSHIPS**
- ▶ **1,000'S OF ALUMNI WORKING**
IN THE DESIGN & CONSTRUCTION INDUSTRY



▶ ▶ ▶ WWW.ACEMENTOR.ORG

REGISTER AT ACEMENTOR.ORG TO GET INVOLVED!
OR EMAIL DENVERCO@ACEMENTOR.ORG



CONSULTING ENGINEERS



STRUCTURAL



CIVIL



ENVIRONMENTAL

Founded in 1956, JVA, Inc. is an 100+ person firm with offices in Boulder, Fort Collins, Winter Park, Glenwood Springs, and Denver, Colorado. We specialize in structural, historic preservation, civil, infrastructure, environmental, and water/wastewater engineering for public and private entities across Colorado. We are employee-owned, offer a competitive benefits package, advocate professional growth, and have long-standing relationships with contractors, architects, builders groups, professional organizations, and community outreach programs.

Open Position Available

STRUCTURAL PROJECT ENGINEER BOULDER, COLORADO

JVA is seeking a structural project engineer to join our employee-centric team in downtown Boulder. Successful candidates will be capable of applying intensive and diversified knowledge of structural engineering principles and practices in broad areas.

Project engineers work in tandem with senior staff to plan, schedule, and coordinate detailed phases of the engineering work on projects of moderate scope or on a portion of a major project.

Project Types

- Healthcare
- K-12
- Higher Education
- Mixed-Use
- Parks and Recreation
- Multi-Family Residential
- Municipal and Government Facilities

Benefits

- Flexible Schedule
- Central Downtown Location
- Professional Development Opportunities
- Fully-paid Major Medical, Dental, Visual, Long-term Disability, and Life Insurance
- Health Reimbursement Allowance (HRA) Plan
- 401k Savings Plan with Partial Corporate Match
- EcoPass and Paid Parking
- Stock Bonus Plan

Corporate Culture

- Legacy Firm
- Team-Building Social Events
- Community Outreach Opportunities
- Open Door and Open Book Management
- Young Professionals, Women's Impact Network, and LGBTQ+ Employee Resource Groups

Minimum Qualifications

- Bachelor's Degree in Civil or Architectural Engineering
- 5 Years of Experience
- Registration as a Professional or Structural Engineer
- Strong communication skills

POSITION

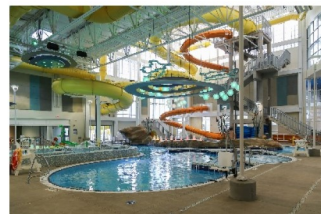
Full-time

SOFTWARE

Revit, RISA, RAM

MATERIALS

Steel, Concrete, Masonry, Wood



TO APPLY SEND YOUR COVER LETTER AND RESUME TO CAREERS@JVAJVA.COM

JVA, Inc. 1319 Spruce Street, Boulder, CO 80302 303.444.1951
WWW.JVAJVA.COM

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 Becky Roland at administrator@seacolorado.org or click [here](#) to sign up online.

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

SEAC 2019 Calendar

Structural Engineers Association of Colorado

SEAC Calendar

2019

Important Dates

BOD Meetings - 7:30am at LamWood Systems

Thursday January 2, 2019
Thursday February 7, 2019*
Thursday March 7, 2019
Thursday April 4, 2019*
Thursday May 2, 2019
Thursday June 6, 2019*
Thursday July 11, 2019
Thursday August 1, 2019*
Thursday September 5, 2019
Thursday October 3, 2019*
Thursday November 7, 2019
Thursday December 5, 2019*
* notes conference call only

Business Management - 7:30am at Martin|Martin

Thursday February 14, 2019
Thursday April 11, 2019
Thursday June 13, 2019
Thursday August 8, 2019
Thursday October 10, 2019

General/Annual Meetings - 7:30am

Thursday January 17, 2019 at Lakewood Country Club
Thursday March 21, 2019 at Lakewood Country Club
Thursday May 16, 2019 at Lakewood Country Club
Thursday July 18, 2019 at Lakewood Country Club
Thursday September 19, 2019 at Lakewood Country Club

Fall Conference October 10 at Doubletree Westminster

Annual Meeting November 8 at Colo. History Museum

SEAC Newsletter Deadlines

January issue - December 27th

March issue - February 21st

May issue - April 23rd

July issue - June 23rd

September issue - August 24th

November issue - October 24th

SEAC ENews Deadlines

February issue - January 31st

April issue - March 31st

June issue - May 31st

August issue - July 31st

October issue - September 30th

December issue - November 30th

January

S	M	T	W	T	F	S
				1	2	3
				4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February

S	M	T	W	T	F	S
					1	2
				3	4	5
			6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	
23	24	25	26	27	28	

March

S	M	T	W	T	F	S
					1	2
				3	4	5
			6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April

S	M	T	W	T	F	S
				1	2	3
			4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May

S	M	T	W	T	F	S
				1	2	3
			4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June

S	M	T	W	T	F	S
					1	2
				3	4	5
			6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

July

S	M	T	W	T	F	S
				1	2	3
			4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August

S	M	T	W	T	F	S
				1	2	3
			4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September

S	M	T	W	T	F	S
				1	2	3
			4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

October

S	M	T	W	T	F	S
				1	2	3
			4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

November

S	M	T	W	T	F	S
					1	2
				3	4	5
			6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23

December

S	M	T	W	T	F	S
				1	2	3
			4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

BOARD OF DIRECTORS

Structural Engineers Association of Colorado



Jeannette Torrents

Past President
JVA, Incorporated

303-444-1951

pastpresident@seacolorado.org



Jeremy Crandall

President
Lam-Wood Systems, Inc.

303-458-1736

President@seacolorado.org



Chad Mitchell

VP/Treasurer
S.A. Miro, Inc.

720-407-1031

vp@seacolorado.org



Lacey Goetz

Secretary
Integral Engineering

303-804-7003

secretary@seacolorado.org



Donald Harvey

Director
Atkinson-Noland & Associates, Inc.
303-444-3620

director1@seacolorado.org



Maryann Davis

Director
Drake-Williams Steel
720-354-4664

director2@seacolorado.org



Mike Piper

Director
Martin/Martin
303-431-6100

director3@seacolorado.org

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!