



## STRUCTURAL ENGINEERS OF COLORADO NEWSLETTER

### 2019 SPRING SCHEDULE

#### **SEAC Board Meeting**

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

#### **PE/SE Exam Bridge Review Session**

March 7, 2019  
Martin | Martin  
12499 West Colfax Avenue  
Lakewood, CO 80215  
6pm

#### **NoCo Meeting**

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

#### **SEAC Member Meeting**

March 21, 2019  
Lakewood Country Club  
6800 W 10th Ave  
Lakewood, CO 80214  
7:30am-9am

#### **SEAC Board Meeting (web)**

April 4, 2019  
7:30am-9am

#### **Business Management Committee Meeting**

April 11, 2019  
Martin/Martin  
12499 West Colfax Ave.  
Lakewood, CO 80215  
7:30am-9am

#### **NCSEA Structural Engineering Summit**

November 12-15, 2019  
Disneyland® Hotel  
Anaheim, CA

### SEAC March General Meeting

#### ***Community Resilience: Integrated Models of Civil Infrastructure and Socio-Economic Systems***

Community resilience depends on the performance of the built environment and on supporting social, economic and public institutions which, individually and collectively, are essential for immediate response and long-term recovery within the community following a disruptive natural hazard event. A community's social needs and objectives (including post-disaster recovery) are not reflected in the codes, standards and other regulatory documents applied to design of individual facilities. A new, interdisciplinary approach is required, one that reflects the complex inter-dependencies among the physical, social and economic systems on which a healthy and vibrant community depends. The Center of Excellence for Risk-Based Community Resilience Planning, headquartered at Colorado State University, was established by The National Institute of Standards and Technology in 2015 to advance the measurement science for understanding the factors that make a community resilient, to assess the likely impact of natural hazards on communities, and to develop risk-informed decision strategies that optimize planning for and recovery from disasters. This presentation summarizes the approach taken by the Center to advance the science underlying community resilience assessment and provides an illustration of how physical, social and infrastructure models can be integrated in a risk-informed decision context.

#### **Speaker:**

Dr. Ellingwood is Co-Director of the NIST-sponsored Center of Excellence for Risk-Based Community Resilience Planning at Colorado State University. Over more than four decades, his teaching, research and professional interests have focused on the application of methods of probability and statistics to structural engineering. He is internationally recognized as a leading authority on structural load modeling, reliability and risk analysis of engineered facilities and as the seminal figure in the technical development of probability-based codified standards for design of structures. He directed the development of the probability-based load criteria for limit states design that appear in ASCE Standard 7 on Minimum Design Loads, the AISC Specification for Structural Steel Buildings, and ACI Standard 318 on Structural Concrete. He has authored more than 400 research papers and reports, is Editor of Structural Safety, and serves on five other editorial boards. He is Past President of the Maryland Section of ASCE, a member of the National Academy of Engineering and a Distinguished Member of ASCE.

#### **Sponsored by:**



# PRESIDENT'S MESSAGE

Structural Engineers Association of Colorado

We have now made it past the shortest day of the year and the hours of day light continue to become longer and longer. This is great for those of us that enjoy the outdoors and strive to have more hours out in the sunshine. I hope that even though the economy is doing very well and there is plenty of work, we are all finding time to get away and recharge. Whether that is volunteering for your favorite organization, getting outdoors, spending time with family and friends, etc., let's be intentional in still making time for it. Staying ground in the fast-paced field that we all love and work in is crucial to a long fulfilling career.

The January General Meeting was a joint meeting with Colorado Association of Geotechnical Engineers (CAGE) and the American Society of Civil Engineers (ASCE). Partnering with other organizations assists all the organizations in getting good, relevant content out to our members. The SEAC YMG and the CAGE YMG had a joint ski trip earlier this month and there is the Annual golf tournament coming up later this summer. Stay tuned for more details.

Now that we have the new website behind us, we need everyone that has not already done so to login and renew their dues. We currently have had 292 renew their dues and 91 members that have not. If you already have renewed, thank you. If you have not, please do so this week. If you run into any issues, please reach out to a BoD member or the administrators to assist in the issue. We are all here to help so there is no reason to get frustrated if an issue arises. We have had 24 new members join SEAC since January 1, 2019 and want to welcome them to the organization.

This year is somewhat of an anomaly with respect to our programming. With the hard work of the BoD and the Education Committee, we have the General Meetings speakers arranged as well as the Fall Seminar and the Annual Meeting venues booked with the event planning well underway. We are currently soliciting sponsorships for the Fall Seminar and want to say Thank You to Drake Williams Steel for their sponsorship of this year's Annual Meeting. We have already started booking events out into 2020.

SEAC will strive to keep a consistent communication schedule with you. On the even numbered months there will be an e-news sent out to capture the events and information in one e-mail and on the odd numbered months there will be the newsletter that will be e-mailed. While we will do our best to keep this schedule, there will most likely be instances where time sensitive event info must be distributed and that will be in a separate e-mail. The e-news and the newsletters are a good way to keep the e-mail traffic manageable, however all the info of up coming events will be on the website.

I look forward to seeing you at the General Breakfast Meeting on March 21, 2019 at the Lakewood Country Club. We are excited to have Dr. Bruce Ellingwood present on Structural Resiliency. Thank you to our sponsors, Sika and Roseberg, who help make these events possible.

Choose to make today a great one!



Jeremy Crandall, SEAC President

# 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 answers to the above questions above are 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 re-requesting a change in your membership category from Affiliate or Student, and submit the application along with a copy of your résumé.

# SEAC Committee News

Structural Engineers Association of Colorado

## Denver Building Department Liaison Committee

In preparation for Denver's adoption of the 2018 I-Codes, currently planned for late 2019, this committee has begun meeting to review existing Denver amendments and to consider new amendments to the structural provisions in the IBC, IEBC, and IRC that we will propose for adoption by the City and County of Denver.

In general, The City of Denver's intention is that provisions in the I-Codes should be amended for the Denver Building Code only for provisions that are deemed to be in need of clarification, modification, or elimination, or to incorporate physical, environmental, and customary design and construction practices specific to the Denver area

If you are aware of a structural provision that you believe should be amended, and you would like the Denver Building Department Liaison Committee to consider an amendment proposal for the reasons described above, please contact the committee chair, Jerry Maly at [jmaly@wje.com](mailto:jmaly@wje.com).

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## Interested in Joining the Education Committee

We are looking for motivated SEAC members to join the Education Committee. If interested, please contact us at [education@seacolorado.org](mailto:education@seacolorado.org). We look forward to hearing from you and working towards another great year ahead.

**SEAC Fall Seminar**  
**Doubletree Hilton - Westminster**  
**8773 Yates Drive, Westminster, CO 80031**  
**October 10, 2019**

SEAC is now accepting sponsorships for the Fall Seminar. If you would like to promote your company to attendees, click [here](#) to participate.

# SEAC Committee News

Structural Engineers Association of Colorado

## SEAC Northern Colorado Committee Events

The SEAC Northern Colorado Committee held their February meeting at CPP Wind Engineering and Air Quality Consultants on Thursday, February 21st. There was a great turn out with 30 people in attendance, including 5 members of the SEAC NOCO CSU Students Subcommittee and 7 Northern Colorado building officials from Northern Colorado. Thank you to Dr. Roy Denoon for his presentation on the changes to wind provisions in ASCE 7-16, and a look to the future in ASCE 7-22. The attendees toured CPP's 2 new wind tunnels and laboratory. CPP is excited to announce their most technically advanced and innovative wind tunnels that enable them to continue leading the wind engineering industry and serving global clients. We would like to thank CPP Vice President, Dr. Roy Denoon, CPP Engineers, Anisa Como and Travis Engle, and the CPP laboratory team for taking the time to provide us with a fabulous tour of the CPP Wind facility.



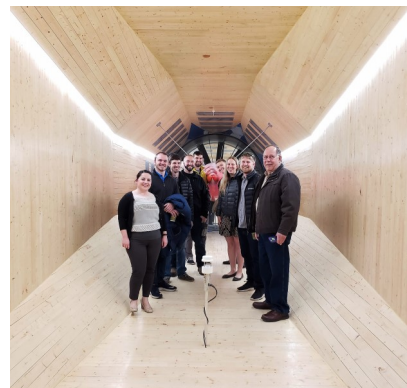
SEAC Group and Dr. Denoon in Wind Tunnel—  
Photo courtesy of CPP Wind



Travis Engle and SEAC Group—Photo courtesy of CPP  
Wind



The SEAC NoCo Tour Group—Photo  
courtesy of CPP Wind



Anisa Como and SEAC Group—Photo courtesy of CPP  
Wind



# 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

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24	25	26	27	28		

### March

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24	25	26	27	28	29	30
31						

### April

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18	19	20	21	22	23	24
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### May

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25	26	27	28	29	30	31

### June

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16	17	18	19	20	21	29
22	23	24	25	26	27	28
30						

### July

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### August

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### September

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25	26	27	28			

### October

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### November

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10	11	12	13	14	15	16
17	18	19	20	21	22	23

### December

S	M	T	W	T	F	S
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

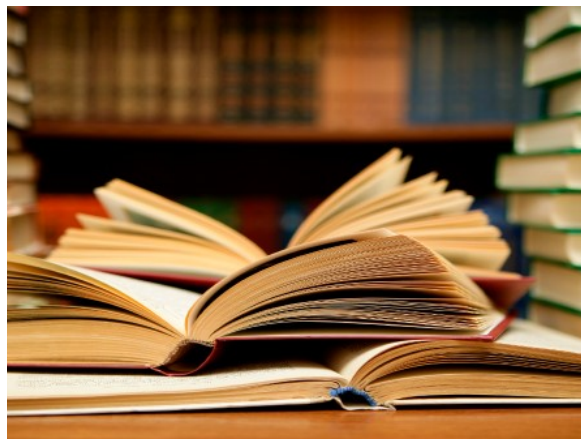
## **PE/SE Exam Bridge Review Session**

The SEAC Education Committee and SEAC YMG would like to invite you to the PE/SE Exam Bridge Review Session. Come join us on Thursday, March 7th at 6:00pm at the Martin/Martin office in Lakewood for a review on bridge design, including a review of the AASHTO code and practice problems you may see on the exams. Free parking is available next to the office building.

- Session led by Brent Whitcomb, P.E. with HDR
- Bring your AASHTO code and come prepared with questions
- Estimated 1.5 hour session duration
- Open to SEAC members and non-members
- We will webcast this session via Skype for remote engineers only

If you have any questions, please contact the SEAC Education Committee at [EducationSEAC@gmail.com](mailto:EducationSEAC@gmail.com).

Martin/Martin office location: 12499 West Colfax Avenue, Lakewood, CO 80215



# 2019 SEAC Budget

Structural Engineers Association of Colorado

SEAC 2019 Proposed Budget and Year over Year Comparison							
	2019	2018		2017		2016	
	Budget	Actual	Budget	Actual	Budget	Actual	Budget
<b>Income</b>							
<b>Dues - Membership Dues</b>							
Student/Out-of-Area	\$6,200	\$3,220	\$4,080	\$2,670	\$3,570	\$1,710	\$3,480
Business Mgmt.	\$1,650	\$770	\$1,050	\$840	\$750	\$750	\$500
Local	\$44,880	\$36,575	\$38,080	\$35,690	\$41,100	\$35,858	\$38,020
<b>Total Dues - Membership Dues</b>	<b>\$52,730</b>	<b>\$40,565</b>	<b>\$43,210</b>	<b>\$39,200</b>	<b>\$45,420</b>	<b>\$38,318</b>	<b>\$42,000</b>
Annual Dinner Sponsor	\$2,000	\$2,000	\$1,000	\$0	\$0	\$0	\$1,000
Employment Advertisement	\$2,500	\$3,650	\$2,000	\$2,950	\$1,000	\$800	\$1,000
Fall Seminar	\$22,000	\$19,972	\$21,000	\$21,170	\$21,000	\$20,740	\$16,000
Fall Seminar Sponsor	\$5,000	\$8,000	\$4,000	\$6,200	\$2,000	\$2,000	\$1,000
Fees - Annual Meeting	\$5,500	\$5,175	\$5,000	\$4,908	\$2,000	\$1,890	\$1,500
Fees - Breakfast Guests	\$1,500	\$1,870	\$640	\$1,280	\$0	\$1,566	\$500
Interest Income	\$24	\$24	\$24	\$24	\$24	\$24	\$0
Golf Tournament Income	\$3,300	\$3,372	\$2,400	\$2,406	\$1,800	\$1,896	\$1,000
Gingerbread Bridge Income	\$4,000	\$7,923	\$4,000	\$4,042	\$0	\$1,871	\$1,000
SAP Training Income	\$0	\$585	\$0	\$0	\$0	\$0	\$0
Education Committee 2016 Grant	\$0	\$0	\$0	\$0	\$0	\$3,000	\$0
Business Practice Survey	\$800	\$1,450	\$800	\$150	\$0	\$0	\$0
Sales - Breakfast Sponsors	\$4,000	\$2,000	\$4,000	\$4,000	\$2,000	\$0	\$2,000
<b>Total Income</b>	<b>\$103,354</b>	<b>\$96,585</b>	<b>\$88,074</b>	<b>\$86,329</b>	<b>\$75,244</b>	<b>\$72,106</b>	<b>\$67,000</b>



# 2019 SEAC Budget

Structural Engineers Association of Colorado

	2019	2018		2017		2016	
	Budget	Actual	Budget	Actual	Budget	Actual	Budget
<b>Expense</b>							
Awards	\$400	\$427	\$400	\$790	\$350	\$1,314	\$500
Square Fees & PayPal fees	\$1,990	\$2,414	\$1,321	\$1,221	\$1,500	\$1,200	\$0
Bank Charges	\$0	\$0	\$0	\$75	\$0	\$550	\$25
Business Licence and Permits	\$20	\$20	\$60	\$60	\$0	\$0	\$0
Computer Hardware	\$288	\$288	\$0	\$2,021	\$0	\$2,362	\$0
Insurance (D&O + General Liability)	\$1,200	\$1,131	\$1,000	\$0	\$2,000	\$0	\$0
Miscellaneous	\$60	\$0	\$0	\$0	\$730	\$1,321	\$300
Office Supplies	\$300	\$302	\$30	\$28	\$0	\$0	\$300
Postage	\$30	\$32	\$10	\$7	\$0	\$0	\$25
Accountant	\$750	\$1,400	\$1,350	\$2,010	\$2,200	\$3,386	\$1,250
Admin Labor	\$12,900	\$13,738	\$12,900	\$12,261	\$14,950	\$14,380	\$14,000
Website Fees	\$1,000	\$1,147	\$960	\$724	\$515	\$244	\$8,100
Website Labor	\$1,550	\$5,236	\$2,400	\$1,815	\$6,185	\$7,444	\$0
WebEx/Survey Monkey/QuickBooks	\$470	\$468	\$468	\$468	\$668	\$988	\$1,000
IT Labor	\$1,250	\$1,250	\$1,250	\$1,523	\$0	\$0	\$0
Steel Committee Expenses	\$200	\$0	\$200		\$1,820	\$1,371	\$1,500
Membership Committee Expenses	\$150	\$114	\$0	\$0	\$0	\$61	\$500
Business Practice Committee Expenses	\$800	\$173	\$800	\$672	\$1,600	\$1,527	\$1,500
BoD Meeting Expenses	\$240	\$240	\$0	\$0	\$0	\$0	\$0
Education Committee Expenses	\$4,360	\$3,453	\$3,280	\$3,295	\$4,200	\$0	\$0
Northern Colorado Committee Expenses	\$1,000	\$254	\$1,200	\$253	\$300	\$259	\$0
Glenwood Springs Committee Expenses	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0
Southern Colorado Committee Expenses	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0
YMG Committee Expenses	\$1,950	\$1,042	\$5,850	\$4,259	\$0	\$2,302	\$0
Committee Expenses - Other	\$125	\$125	\$0	\$0	\$0	\$0	\$0
NCSEA Dues	\$6,700	\$6,640	\$7,380	\$6,300	\$5,400	\$5,280	\$6,500
Survey - Business Practice	\$0	\$0	\$800	\$800	\$800	\$800	\$500
SEER	\$500	\$541	\$500	\$0	\$0	\$0	\$0
Meetings - Fall Conference	\$11,000	\$10,783	\$10,500	\$17,145	\$9,800	\$10,377	\$9,000
Meetings - Annual Dinner	\$17,500	\$14,739	\$14,665	\$13,554	\$7,000	\$7,725	\$7,500
Meetings - General Membership	\$12,750	\$12,172	\$19,500	\$17,283	\$16,500	\$14,751	\$17,000
Gen Mtg Speaker Fees/Exps	\$750	\$518	\$500	\$200	\$0	\$0	\$500
Gingerbread Bridge Expense	\$4,000	\$10,424	\$0	\$0	\$0	\$0	\$0
NCSEA Summit	\$7,500	\$4,995	\$4,500	\$4,348	\$3,600	\$5,300	\$3,250
NCSEA Fall Summit scholarship	\$4,500	\$0	\$2,000	\$0	\$1,800	\$0	\$0
SEAC Scholarship Fund Donation	\$2,000	\$0	\$0	\$0	\$1,000	\$0	\$1,000
<b>Total Expense</b>	<b>\$100,233</b>	<b>\$94,067</b>	<b>\$93,824</b>	<b>\$91,113</b>	<b>\$82,917</b>	<b>\$82,943</b>	<b>\$74,250</b>
<b>NET INCOME</b>	<b>\$3,121</b>	<b>\$2,518</b>	<b>-\$5,750</b>	<b>-\$4,783</b>	<b>-\$7,673</b>	<b>-\$10,837</b>	<b>-\$7,250</b>

CD		\$11,375		\$11,372			
SAVINGS		\$47,680		\$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](http://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](mailto: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 14th

### Economical Design of Insulating Concrete Form Walls

Lionel A. Lemay, P.E., S.E., LEED AP and Shawn Lothrop, P.E., S.E.

March 26th

### 2018 IEBC - Part 1: Prescriptive & Performance Methods

Chris Kimball, S.E., P.E., MCP, CBO

April 9th

### 2018 IEBC - Part 2: Work Area Compliance Method

Chris Kimball, S.E., P.E., MCP, CBO

April 18th

### Masonry Infill Design

Charles J. Tucker, P.E., Ph.D

May 2nd

### Session I: Bridge Design – Introduction to AASHTO

Tony Shkurti, Ph.D., S.E., P.E.

May 9th

### Session II: Bridge Design – Approximate Methods in the Design of Bridges

Tony Shkurti, Ph.D., S.E., P.E.

May 16th

### Session III: Bridge Design – Seismic Design of Bridges

Tony Shkurti, Ph.D., S.E., P.E.

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

## Call for 2019 Summit Abstracts

The 2019 NCSEA Structural Engineering Summit Committee is seeking 45 to 90 minute presentations that deliver pertinent and useful information that is specific to the practicing structural engineer.

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

- Case Studies
- Lessons Learned
- Snow Loads
- New Codes & Standard
- Ethics
- Bettering Communication
- Business Practices
- Recent Projects
- Accounting
- Client Growth
- Connection Design
- Wind Design

The Summit will feature education specific to the practicing structural engineer, in both technical and non-technical tracks. Desired submissions are those listed above and any other topics that would be of interest to practicing structural engineers.

Go to <https://ncsea.submittable.com/submit/126817/2019-summit-call-for-abstracts> to submit your abstract.

# Other Events of Interest

Structural Engineers Association of Colorado

## [Student Steel Bridge Competition—April 5-6, 2019 at CU Boulder](#)



**Calling for Sponsors and Volunteers!** AISC's Student Steel Bridge Competition is an annual competition that challenges student teams to develop a scale-model steel bridge. The team must determine how to fabricate their bridge and then plan for an efficient assembly under timed construction at the competition. Bridges are then load tested and weighed. The bridge must span approximately 20 feet, carry 2,500 pounds, and must meet all other specifications of the competition rules. Bridge aesthetics are also judged and considered in the final results of the competition.

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## [WoodWorks Mass Timber Construction—March 26 in Colorado Springs](#)



Due to their high strength, dimensional stability and positive environmental performance, mass timber building products are quickly becoming materials of choice for sustainably-minded designers. This presentation will provide a detailed look at the variety of mass timber products available, including glue-laminated timber (glulam), cross-laminated timber (CLT), nail-laminated timber (NLT), heavy timber decking, and other engineered and composite systems. Applications for the use of these products under modern building codes will be discussed, and examples of their use in U.S. projects reviewed. Mass timber's ability to act as both structure and exposed finish will also be highlighted, as will its performance as part of an assembly, considering design objectives related to structural performance, fire resistance, acoustics, and energy efficiency. Other topics will include detailing and construction best practices, lessons learned from completed projects and trends for the increased use of mass timber products in the future.

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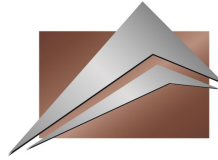
## [CU Engineers in Action Bridge Program is seeking donations!](#)

In 2019, the CU Engineers in Action Bridge Program aims to empower students to put their engineering skills to amazing use by building a bridge with an eSwatini community which is isolated from essential services like healthcare, education, and markets. Footbridges connect communities. But beyond that, they offer freedom from fear, worry, and risk. That kind of freedom is transformative. And the work our students do alongside those communities helps them develop leadership skills and gain a global perspective that will stay with them for the rest of their lives.

**Donations are vital to this program!**

# EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



## **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



# EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



## **Structural Engineer (full time)**

BS in Civil or Architectural Engineering required

MS in Structural Engineering preferred

Preferred min. 5 years' experience of design of structural engineering design of architectural, site, and civil structures.

Prepare engineering plans, construction drawings, cost estimates, professional docs, reports, and specifications.

CAD support as necessary, using Revit.

Direct interaction with the clients, owners, and contractors.

Good technical writing abilities are required.

Carry out construction administration responsibilities including shop drawing review, response to contractor questions, and site inspections.

P.E. Registration preferred.

[Apply Here](#)

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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!**