



JANUARY 2025

STRUCTURAL ENGINEERS ASSOCIATION OF COLORADO

NEWSLETTER



IN THIS EDITION

PRESIDENT'S MESSAGE

2025 SEAC BOARD OF DIRECTORS

JANUARY GENERAL MEETING

WIND STUDY SPONSORSHIPS

JANUARY NOCO MEETING

**2024 GINGERBREAD BRIDGE
COMPETITION WINNERS**

EMPLOYMENT AD

2025 SEAC CALENDAR OF EVENTS

SEAC COMMITTEES

SPONSORSHIP OPPORTUNITIES

ADVERTISING OPPORTUNITIES

PRESIDENT'S MESSAGE

Welcome all to 2025. I am honored to serve as the incoming SEAC President for the upcoming year, and I am looking forward to working with my fellow Board members to benefit SEAC and its members.



First and foremost, I want to thank Scott Hargrove for his dedication to SEAC in 2024 as President. His hard work led SEAC to a year of growth, including multiple new offerings like the summer social and the project awards. We plan to continue these events in 2025, so look out for more details in the coming months.

Next, I want to share my appreciation of Holly Janowicz and Sara Mickus, who have both completed their terms on the SEAC Board of Directors. These amazing women have made a huge impact on SEAC, and I am grateful for my time with them on the Board. Luckily for us, Holly and Sara have agreed to remain contributing through the new Fall Seminar Committee and the Western Slope Committee, respectively, so they will continue to be an integral part of SEAC.



Save the Date

**February 19
4:30 PM**

**Committee
Chair
Meet-Up**

I also want to welcome our new Secretary, Jim Foreman, and the new Director, Peter Marxhausen to the Board. The other Board members and I are excited to have you both joining the Board and look forward to working with you over the next few years. Thank you to the Nominating Committee for finding four great candidates for these positions.

Throughout 2025, I want to use these President's Message to help encourage the continued growth and engagement of SEAC. For January, I want to extend a challenge to all our members – Volunteer for a Committee. Committees are the lifeblood of our organization, and their successes depend on having a robust group of volunteers. Your time on committees will benefit the organizations, but it will also benefit you and your professional path. I encourage everyone to read [The Value of Participation](#) by our very own Jeannette Torrents, which details why “heavily involved people invariably say that they’ve received much more from their organization than they’ve put into it.”

Check out the list of committees included in this newsletter, and once you find one (or two) that you would like to check out, reach out to the committee chair(s) or our fantastic Executive Director, Dawn Miller at administrator@seacolorado.org, to get added to the committee meeting list. You can always attend a couple of meetings before formally committing.

I look forward to seeing many of you at the first general meeting of 2025 on January 16th.

Jordan Jarrett, Ph.D., P.E.



2025 BOARD OF DIRECTORS

Meet your newly elected 2025 SEAC Board of Directors

PRESIDENT



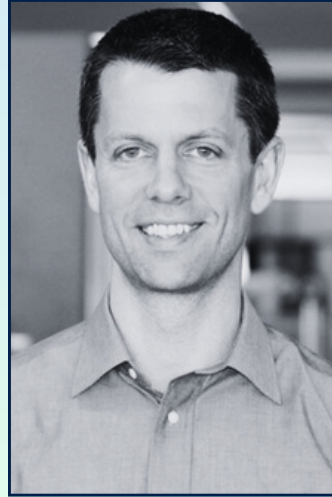
Jordan Jarrett
Colorado State
University

VICE PRESIDENT



Max Lehman
Wallace Design
Collective

SECRETARY



Jim Foreman
Martin/Martin Inc.

DIRECTOR



Peter Marxhausen
UBSE, Inc.

The following will remain on the Board of Directors

PAST PRESIDENT



Scott Hargrove
Knott Laboratory

DIRECTOR



McKenzie Glass
City of Denver

DIRECTOR



Evan Hammel
J.R. Harris & Company



JANUARY MEETING



Lesser Known and Considered Aspects of Earth Retention

Presented By: Don Carroll - Wiss, Janney, Elstner Associates

16 THURSDAY
JANUARY
2025
7:30 AM - 9:00 AM

PPA Event Center
2105 Decatur St.
Denver, CO 80211

JOINT
MEETING
WITH



ABOUT THE TOPIC

Active, Passive and At-Rest earth pressures are familiar to anyone who has taken a foundation design course or designed an earth retaining structure. But what else is there? Soil arching, Bin Pressures and Apparent Pressures are all also used throughout the industry in certain applications and when properly applied result in more efficient designs. The presentation will discuss these other loading methods, their history and when they apply. The 1:1 line is a long-standing rule of thumb used to determine when one should consider a surcharge loading and how it impacts an earth retaining element. Like all rules of thumb, it has a basis in success, but also its limitations. Conditions to be aware of using this method will be discussed and some case studies reviewed related to surcharges. Finally, the design of retaining wall veneers are often not treated with the same level of care as used in the design of the retaining wall itself. Multiple veneer failures and their causes will be discussed as well as the repairs used.

The deadline to register is January 7, 2025.

ABOUT THE SPEAKER



Don Carroll is an Associate Principal and Geotechnical Unit Manager in Wiss, Janney, Elstner Associate's Denver office. He has more than 25 years of consulting engineering experience including forensic engineering, structural design & evaluations, strengthening & repair of distressed structures and foundations, as well as temporary and permanent earth retention structures with heights exceeding 45 feet. Mr. Carroll served on the SEAC Board of Directors from 2013 through 2016, serving as President in 2015. Prior to joining WJE in 2016, Mr. Carroll was a principal at J.R. Harris and Company, a structural engineering firm in Denver.

SCHEDULE

7:30 a.m. - 8:00 a.m.	Breakfast/Networking
8:00 a.m. - 9:00 a.m.	Presentation

[CLICK HERE TO REGISTER NOW](#)

SEAC Members: \$0

Non-Members In-Person: \$50

Non-Members Virtual: \$30

Registration fee includes breakfast (In-Person only), presentation, and a certificate for 1.0 Professional Development Hour.



WIND STUDY SPONSORSHIPS



Wind Committee fundraising

We received great news regarding the Colorado Special Wind Region Project. Our application for the FEMA BRIC grant has been APPROVED, which will cover 75% of the project costs.

SEAC needs to cover the remaining 25% of the project costs, and to date, we have received commitments for ~80% of those funds. Huge thank you to our SEAC community members that have already donated!

We will continue fundraising in 2025 for the remainder of our goal, so there is still time to be involved in this crucial study! Any sponsors at Bronze Level or higher will receive recognition for their contribution online through SEAC. Any funds raised beyond the minimum required will help fund additional studies.

If you or your organization would like to learn more and/or contribute to this effort, please [CLICK HERE](#) to pick your sponsorship level.





NOCO JANUARY MEETING



NOCO

LESSER KNOWN AND CONSIDERED ASPECTS OF EARTH RETENTION

Presented By: Don Carroll - Wiss, Janney, Elstner Associates

January 16, 2025

7:30 AM - 9:00 AM

1.0 PDH

Front Range Community College | 4616 Shields Street - Room #552
Student Success Center - Mount Antero Building - Fort Collins, CO 80526

REGISTRATION FEES

NOCO Members: \$0

Non-Members: \$20

Registration fee includes in-person presentation virtually broadcast from Denver and a certificate for 1.0 Professional Development Hour.

ABOUT THE TOPIC

Active, Passive and At-Rest earth pressures are familiar to anyone who has taken a foundation design course or designed an earth retaining structure. But what else is there? Soil arching, Bin Pressures and Apparent Pressures are all also used throughout the industry in certain applications and when properly applied result in more efficient designs. The presentation will discuss these other loading methods, their history and when they apply.

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SCHEDULE

7:30 a.m. - 8:00 a.m.

Check-In/Networking

8:00 a.m. - 9:00 a.m.

Presentation

REGISTRATION DEADLINE: JANUARY 10, 2025

[CLICK HERE TO REGISTER NOW](#)



2024 GINGERBREAD BRIDGE COMPETITION



32 teams competed this year. **3** home school teams, **12** middle/high school teams, **14** college teams, and **3** professional teams battled to win the 2024 Gingerbread Bridge Competition.

Architectural Design Results

"Gingineers"



CSM

"Ginger Strong"



CU Boulder

"Pastry Patriots"



Golden View
Classical Academy

People's Choice Results

First Place: *Wallace Kart 2024*
Wallace Design Collective

Second Place: *Bridge to Paradise*
6-UP

Third Place: *Sour Patch Kids Crusade*
Golden View Classical Academy

Structural Design Results

First: *WJE Bridge* | Wiss, Janney, Elstner Associates
Total Load = 1066 lbs Strength-to-Weight Ratio = 50.3

Third: *Pastry Patriots* | Golden View Classical Academy
Total Load = 738 lbs Strength-to-Weight Ratio = 28.73

Second: *Bridges and Beasts* | Applewood Academy Homeschool
Total Load = 586 lbs Strength-to-Weight Ratio = 24.9

Honorable Mention: *Bridge to Paradise* | 6-UP
Total Load = 738 lbs Strength-to-Weight Ratio = 19.4

The event results and links to the Gingerbread Bridge Competition Facebook page can also be found at [GINGERBREADBRIDGE.COM](https://www.facebook.com/GINGERBREADBRIDGE.COM)

Thank you again to our corporate sponsors, we could not do this event without you! Some of the sponsored money will be put towards a scholarship to send one member of the SEAC YMG to the 2025 NCSEA Summit which will be held in New York City, New York. Applications for the SEAC YMG Scholarship will be available later in the year.



Thank You Sponsors!

Platinum Sponsors



Gold Sponsors

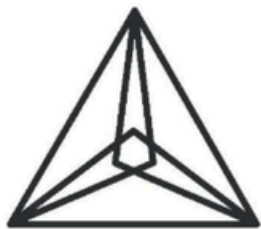


Silver Sponsors





EMPLOYMENT AD



CRONIN
ENGINEERING
& INSPECTION

We're Hiring!

We're looking for a skilled and motivated **structural engineer** to join our small, fast-growing company. Work will range from residential renovations to small commercial projects. We're located in the Denver metro area with work being completed in the office, remotely, and in the field.



Benefits:

- \$70k-\$100k annual salary depending on experience
- Company computer, phone, tools
- Health insurance
- Paid time off
- Professional development assistance
- Retirement plan & matching
- Bonus opportunities

Email info@cronin.engineer
for more info and to apply!





2025 SEAC CALENDAR OF EVENTS

SEAC E-NEWS DEADLINES

- February Issue - January 27, 2025
- April Issue - March 24, 2025
- June Issue - May 26, 2025
- August Issue - July 28, 2025
- October Issue - September 22, 2025
- December Issue - November 24, 2025

SEAC NEWSLETTER DEADLINES

- March Issue - February 24, 2025
- May Issue - April 21, 2025
- July Issue - June 23, 2025
- September Issue - August 25, 2025
- November Issue - October 27, 2025

BUILDING DEPARTMENT COMMITTEE | 3:30 PM

- Friday February 21, 2025 | S. A. Miro
- Friday April 18, 2025 | S. A. Miro
- Friday June 20, 2025 | S. A. Miro
- Friday August 15, 2025 | S. A. Miro
- Friday October 17, 2025 | S. A. Miro
- Friday December 19, 2025 | S. A. Miro

GENERAL/ANNUAL MEETINGS | 7:30 AM

- Thursday January 16, 2025 | PPA Event Center
- Thursday March 20, 2025 | PPA Event Center
- Thursday May 16, 2024 | PPA Event Center
- Thursday July 17, 2025 | PPA Event Center
- Thursday September 18, 2025 | PPA Event Center
- Fall Conference TBD
- Annual Meeting November TBD

BOD MEETINGS | 8:30 AM

- Thursday January 9, 2025 | Virtual
- Thursday February 6, 2025 | Martin/Martin
- Thursday March 6, 2025 | Virtual
- Thursday March 27, 2025 | Martin/Martin
- Thursday May 1, 2025 | Virtual
- Thursday June 5, 2025 | Martin/Martin
- Thursday July 10, 2025 | Virtual
- Thursday August 7, 2025 | Martin/Martin
- Thursday September 4, 2025 | Virtual
- Thursday October 2, 2025 | Martin/Martin
- Thursday October 30, 2025 | Virtual

BUSINESS MANAGEMENT COMMITTEE 7:30 AM		
Thursday	February 13, 2025	Martin/Martin
Thursday	April 10, 2025	Martin/Martin
Thursday	June 12, 2025	Martin/Martin
Thursday	August 14, 2025	Martin/Martin
Thursday	October 9, 2025	Martin/Martin

SEISMIC COMMITTEE 8:00 AM		
Tuesday	February 4, 2025	Virtual
Tuesday	April 1, 2025	Virtual
Tuesday	June 3, 2025	Virtual
Tuesday	August 5, 2025	Virtual
Tuesday	October 7, 2025	Virtual
Tuesday	December 2, 2025	Virtual

EXISTING STRUCTURES COMMITTEE 8:00 AM		
Tuesday	February 11, 2025	J.R. Harris
Tuesday	April 8, 2025	J.R. Harris
Tuesday	June 10, 2025	J.R. Harris
Tuesday	August 12, 2025	J.R. Harris
Tuesday	October 14, 2025	J.R. Harris
Tuesday	December 9, 2025	J.R. Harris

WOOD COMMITTEE 12:00 PM		
Thursday	February 20, 2025	Lam-Wood
Thursday	April 17, 2025	Lam-Wood

EDUCATION COMMITTEE 8:00 AM		
Friday	January 10, 2025	Virtual
Friday	February 14, 2025	Virtual
Friday	March 14, 2025	Virtual
Friday	April 11, 2025	Virtual
Friday	May 9, 2025	Virtual
Friday	June 13, 2025	Virtual
Friday	July 11, 2025	Virtual
Friday	August 8, 2025	Virtual

STEEL COMMITTEE 7:30 AM		
Wednesday	February 19, 2025	Martin/Martin
Wednesday	March 19, 2025	Martin/Martin
Wednesday	April 16, 2025	Martin/Martin
Wednesday	May 21, 2025	Martin/Martin
Wednesday	June 18, 2025	Martin/Martin
Wednesday	July 16, 2025	Martin/Martin
Wednesday	August 20, 2025	Martin/Martin
Wednesday	September 17, 2025	Martin/Martin
Wednesday	October 15, 2025	Martin/Martin
Wednesday	November 19, 2025	Martin/Martin
Wesnesday	December 17, 2025	Martin/Martin

WOOD COMMITTEE 12:00 PM		
Thursday	June 19, 2025	Lam-Wood
Thursday	August 21, 2025	Lam-Wood
Thursday	October 16, 2025	Lam-Wood

SE3 COMMITTEE 2:00 PM		
Thursday	January 23, 2025	
Thursday	February 27, 2025	
Thursday	March 27, 2025	
Thursday	April 24, 2025	
Thursday	May 22, 2025	
Thursday	June 26, 2025	

NOCO COMMITTEE 7:30 - 9:00 AM		
Thursday	January 16, 2025 FRCC	
Thursday	February 20, 2025 FRCC	
Thursday	March 20, 2025 FRCC	
Thursday	April 17, 2025 FRCC	
Thursday	May 15, 2025 FRCC	
Thursday	June 19, 2025 FRCC	
Thursday	July 17, 2025 FRCC	
Thursday	August 21, 2025 FRCC	
Thursday	September 18, 2025 FRCC	
Thursday	October 16, 2025 FRCC	
Thursday	November 20, 2025 FRCC	

SUSTAINABLE DESIGN COMMITTEE 1:15 PM		
Tuesday	January 28, 2025	Virtual
Tuesday	March 11, 2025	Virtual
Tuesday	April 22, 2025	Virtual
Tuesday	June 3, 2025	Virtual
Tuesday	August 26, 2025	Virtual
Tuesday	October 7, 2025	Virtual
Tuesday	November 18, 2025	Virtual

YMG COMMITTEE 7:30 AM		
Monday	January 6, 2025	Virtual
Monday	February 3, 2025	Virtual
Monday	March 3, 2025	Virtual
Monday	April 7, 2025	Virtual
Monday	May 5, 2025	Virtual
Monday	June 2, 2025	Virtual
Monday	July 7, 2025	Virtual
Monday	August 4, 2025	Virtual
Monday	September 1, 2025	Virtual
Monday	October 6, 2025	Virtual
Monday	November 3, 2025	Virtual
Monday	December 1, 2025	Virtual



SEAC COMMITTEES

Click on a committee name to visit that committee's homepage on SEAC.

Committee	Chairperson	Contact Phone	Board Liaison
Building Department	Chad Mitchell	720-407-1031	Max Lehman
Business Management	Lacey Goetz	303-804-7003	Max Lehman
Education	Mere Hall Philip Taylor	470-398-6553 303-565-4882	Jim Foreman
Existing Structures	Ben Cook Donald Harvey	303-860-9021 303-444-3620	Evan Hammel
Fall Seminar Planning	Holly Janowicz Scott Hargrove	303-860-9021 303-925-1900	Scott Hargrove
Nominating	Ben Nelson	303-431-6100	Scott Hargrove
Northern Colorado	Greg Black	970-213-1824	Scott Hargrove
Scholarship Fund	Ben Nelson	303-431-6100	Evan Hammel
SE3	Meg Riley	303-461-6100	Jordan Jarrett
Seismic	Rob Jackson	303-870-9334	Jordan Jarrett
SEER	Mere Hall	470-398-6553	McKenzie Glass
Steel	Sylvia Iverson Jim Foreman	720-672-3520 303-431-6100	Jim Foreman
Outreach	Brian Lobmeyer	303-783-4797	McKenzie Glass
Sustainable Design	McKenzie Glass Michael Lyons	307-202-1677 303-431-6100	McKenzie Glass
Western Slope	Sara Mickus	970-618-7708	Scott Hargrove
Wind & Snow	Dale Statler Jeannette Torrents	303-914-4300	Jordan Jarrett
Wood	Jeremy Crandall	303-458-1736	Max Lehman
Young Members	Kamryn Froehle	720-955-1399	Peter Marxhausen

Ad Hoc Committees

Committee	Chairperson	Contact Phone	Board Liaison
BIM Committee	Open		Max Lehman
Ethics	Peter Marxhausen	720-618-6473	Peter Marxhausen
Licensure and Continuing Education	Brian Lobmeyer Chad Mitchell	303-783-4797 303-741-3737	Max Lehman
Membership	Matthew Hood Lacey Goetz	303-318-6539 303-804-7003	Evan Hammel
Structural Engineering Practice	Ben Cook	303-909-7438	Max Lehman

2025 SPONSORSHIP OPPORTUNITIES



[CLICK HERE](#) to View
[SEAC Sponsorship Opportunities and Benefits](#)



NEWSLETTER ADS

YOUR ADVERTISEMENT HERE

Do you want to promote your company and build name recognition with structural engineers in Colorado?

Do you have an engineering job opening at your firm and are looking for a qualified candidate?

Consider advertising with SEAC.

SEAC publications reach over 300 members monthly, including professional engineers, suppliers, and vendors.

Employment ads are posted on the SEAC webpage for two months.

Both ad types will be included in one bi-monthly SEAC Newsletter and one bi-monthly SEAC E-News Blast (two months posting).

Contact Dawn Miller at administrator@seacolorado.org

EMPLOYMENT ADS

Full Page Employment Ad Members: \$250 Non Members: \$300

1/2 Page Employment Ad Members: \$150 Non Members: \$180

1/4 Page Employment Ad Members: \$100 Non Members: \$120

PROMOTIONAL AD

Full Page Promotional Ad: \$350

Half Page Promotional Ad: \$250

Quarter Page Promotional Ad: \$200