



# MARCH 2023

## STRUCTURAL ENGINEERS ASSOCIATION OF COLORADO

# NEWSLETTER



### IN THIS EDITION

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### PRESIDENT'S MESSAGE

I hope everyone is enjoying the winter. We have a lot of exciting things coming including the joint SEAC/ACI Rocky Mountain Chapter general meeting on March 15 (please note this meeting is on a Wednesday) and the PE/SE Exam Bridge Review Session on March 16. Check out the SEAC website for more event information and committee meeting dates.



In the last newsletter, I mentioned I would include an engineering joke in each President's message. This one involves a humorous phone call that took place with another structural engineer. We were working together on a project, and he would often call to discuss the current status of the project. At the beginning of one of the calls, I asked him how his day was, and he replied, "You know what, today is not a  $WL^2/8$  type of day." I almost spit out my coffee laughing at this response, and like the joke in the last newsletter, this can only be fully appreciated by structural engineers.

Besides the fantastic humor, his response brings focus to what motivates us as engineers. Most of us did not choose this profession because it is simple or straightforward. Instead, we like the challenge. Often, we are getting into the nitty gritty details, and there is a process involved to arrive at a solution.

This reminds me of a story a colleague shared about a day she was working on a complex post tensioned beam design. She worked relentlessly all day burning through calculations trying to find a solution. By the end of the day, she felt defeated. She put so much effort into her work but did not have answers. She went to her manager to provide an update, afraid of what he would say. Her manager simply said "That's why we pay you. To think." I will never forget this story since it highlights the essence of our profession. Structural engineering involves the art of working through problems, asking questions, and thinking through solutions. For many engineers, the thrill is in the journey, not the destination.

As we continue to grow in 2023 let's remind ourselves what motivates us as structural engineers and use SEAC to support each other. Enjoy the journey and embrace the non- $WL^2/8$  type of days. I'm looking forward to seeing everyone at the March breakfast meeting!

# MARCH MEETING

**Wednesday**  
**March 15, 2023**  
**7:30 a.m. - 9:00 a.m.**



**PPA Event Center**  
**2105 Decatur St.**  
**Denver, CO**

## Specifying the Concrete of the Future...Which is Already Here

**Michael Lyons**  
**Proper & O'Leary, DPC**

**Dana Rotkovich**  
**BURNCO**

**David Figurski**  
**Holcim**

Since this is a joint meeting with Rocky Mountain Chapter ACI, we will be meeting on the third **WEDNESDAY** of the month.

Please join three industry professionals representing the specifying, ready-mix, and cement industry; and the collective memberships of the RMACI and SEAC chapters to discuss the basics of concrete mix design and how new materials, test methods, and sustainability goals are changing the specifications for our built environment.



**Michael Lyons** is a Senior Project Engineer with over 10 years of experience in the construction industry specializing in mid-rise concrete and steel buildings. He is motivated to get more structural engineers involved in making a difference in the embodied carbon of their projects and sees opportunity for the industry to develop embodied carbon as a design constraint. He has a strong knowledge of the embodied carbon impacts and reduction strategies for concrete and steel materials and is trained in completing Life Cycle Assessments. He is an active member of the ASCE SEI Sustainable Design Committee, ACI 130 Sustainability of Concrete, and currently serves as the Vice Chair for the newly formed SEAC Sustainable Design Committee.



**Dana Rotkovich** works for BURNCO and has been in the ready-mix concrete industry for over 18 years. He was the Board President of the CRMCA for three years and been on the Board of Directors for over 10 years. His industry involvement shows an emphasis on education/training seminars to better the industry. Dana has been a member of ACI for over 12 years and is the current Secretary for ACI 332 and ACI 238. He is also a voting member of 332-B, ACI 304, and ACI 211. Dana has a diverse work experience in the ready-mix industry covering quality control, sales, marketing, dispatch, and pumping.



**Dave Figurski** is a technical service engineer with Holcim and a registered PE in Colorado. He was previously employed by a large precast company as structural engineer, production supervisor, quality control manager and plant manager. He has also held the position of quality control manager for a Denver based ready-mix company. Dave joined Holcim in 2017.

**Breakfast Menu**  
Scrambled Eggs  
Bacon  
Jumbo Sausage Links  
Seasoned Breakfast Potatoes  
Assorted Pastries  
Seasonal Fresh Fruit  
Coffee

**Registration Fees:    Members: FREE**

Registration fee includes breakfast, presentation, and an optional certificate for 1.0 Professional Development Hour (PDH) to be given to attendees who request it when registering.

**The Deadline to Register is March 8, 2023.**

**[REGISTER NOW](#)**



# WELCOME NEW MEMBERS

## **Young Affiliate Members**

Brandon Beaver  
DL Engineering

Bailey Rouse  
DL Engineering

Joseph Latella  
Arcosa Lightweight

Melyzjah Bolin  
HCL Engineering &  
Surveying

Jake Hendrix  
JVA, Inc.

Trae Dilley  
Coffman Engineers

Jesse Kramer

## **Affiliate Members**

William Lupher  
Burns & McDonnell

Elvis Mena  
Calibre Engineering

Tori Chang  
Fortis Structural

Doug Ingersoll  
Crown Jade Design Engineering

Scott Albertoni  
HCL Engineering & Surveying

## **Professional Members**

Nolan Colucci

Matthew Dinsmore  
JVA, Inc.

Robert Garber

Alex Jording  
Blueprint Structural Engineering  
& Consulting

Scott Ledley  
Jirsa-Hedrick

William Schoelman  
Glenn Frank Engineering

Douglas Spitzer  
Langan

Sean Trottier  
Wells Concrete

## **Educators/Bldg Officials Member**

David Corman  
City and County of Denver - Development Services



# SEAC NOCO MARCH MEETING

**Wednesday**  
**March 15, 2023**  
**7:30 a.m. - 9:00 a.m.**



**Virtual Broadcast**  
**1.0 PDH**

## Specifying the Concrete of the Future...Which is Already Here

**Michael Lyons**  
Proper & O'Leary, DPC

**Dana Rotkovich**  
BURNCO

**David Figurski**  
Holcim

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

Since this is a joint meeting with Rocky Mountain Chapter ACI, we will be meeting on the third **WEDNESDAY** of the month.



Michael Lyons is a Senior Project Engineer with over 10 years of experience in the construction industry specializing in mid-rise concrete and steel buildings. He is motivated to get more structural engineers involved in making a difference in the embodied carbon of their projects and sees opportunity for the industry to develop embodied carbon as a design constraint. He has a strong knowledge of the embodied carbon impacts and reduction strategies for concrete and steel materials and is trained in completing Life Cycle Assessments. He is an active member of the ASCE SEI Sustainable Design Committee, ACI 130 Sustainability of Concrete, and currently serves as the Vice Chair for the newly formed SEAC Sustainable Design Committee.

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Please RSVP by Monday, March 10th ONLINE.

If you have any questions, please email Dawn Miller at [administrator@seacolorado.org](mailto:administrator@seacolorado.org).

The Deadline to Register is March 10, 2023.

### REGISTRATION FEES

NOCO Members: \$0  
Guests: \$0

**RSVP NOW**

# COMMITTEE ACTIVITIES

## PE/SE Exam Bridge Review Session

**March 16, 2023**

**FREE Event**

**RSVP [Here](#) by March 14**



The SEAC Education Committee would like to invite you to a PE/SE Exam Bridge Review Session. Join us virtually on Thursday, March 16th from 5:30 – 7:00pm for a review of bridge design, including portions of the AASHTO code and practice problems.

This FREE event is open to SEAC members and non-members. You must RSVP to attend.

Be sure to bring your AASHTO code and come prepared with questions.



This session will be led by Nathan Marshall, PE, who is the Bridge Design Manager for Martin/Martin Consulting Engineers. Nathan has over 17 years of experience in AASHTO structural design, evaluation, and investigation of bridges, culverts, and retaining walls. He has worked in all facets of bridge engineering and inspection with numerous bridge types including vehicular, railroad, and pedestrian.

**If you have any questions, contact the SEAC Education Committee at [education@seacolorado.org](mailto:education@seacolorado.org)**

## Seismic, Wind, Snow, & Existing Structures Committees Present to Colorado ICC

Representatives of the SEAC Seismic, Wind, Snow, and Existing Structures Committees provided a day long presentation to the Colorado Chapter of the International Code Council on Friday, February 3. Jeannette Torrents, JVA, reviewed the snow load provisions in ASCE 7-22 and Jim Harris, J.R. Harris & Company, presented changes in ASCE 7-22 that will be relevant in the IBC 2024. Rob Jackson, Amentum, and Jim Harris, J.R. Harris and Company, presented an overview of the Colorado seismic hazard as it relates to state and local code issues, including the SEAC Position Statement on Seismic Safety of New Colorado Buildings. Roy Denoon, CPP, and David Sparks, the Felten Group, presented the evolution of wind design, the causes and effects of Colorado's special wind region, and the impacts of recent changes to the provisions of ASCE 7-16 and 7-22. Closing out the day-long presentation was Evan Hammel, Simpson Strong Tie, and Ben Cook, J.R. Harris & Co., discussing recent changes to the International Existing Building Code and updates to structural inspection and special inspection requirements that appear in the material design standards rather than the IBC.





# SKI TRIP

## APRIL 14, 2023

The CAGE Young professionals group along with RMNASTT, NUCA, and SEAC YMG are hosting the fourth annual Ski Trip on April 14, 2023 to Arapahoe basin. CAGE, RMNASTT, NUCA, and SEAC would like you to join us for this fantastic trip.

The trip will include transportation to and from the Mammoth Park-N-Ride off I-70, lunch at our Beach spot, and a lift ticket. Reduced prices are available for those who already have a ski pass.

While registration will remain open until Wednesday, March 15th, early registration is appreciated. We are hoping to order lift tickets in late March. To purchase your ticket and reserve your place on the bus or to sponsor this event, register [here](#).

Spots are limited, so if you are interested, don't wait to talk to your employer about how you can coordinate your work schedule to participate in this unique networking opportunity. Contact us at [ymg@seacolorado.org](mailto:ymg@seacolorado.org) with any questions regarding the ski trip. We hope to see you there!

### REGISTRATION FEES

- \$120 - Including Ski Pass
- \$50 - NOT Including Ski Pass
- \$200 - Silver Sponsor
- \$300 - Gold Sponsor
- \$600 - Platinum Sponsor





# SEAC COMMITTEES

To better utilize volunteer hours and help manage committee expectations, the SEAC Board of Directors is proposing to categorize SEAC committees into general and ad hoc committees. General committees meet regularly and frequently. Ad hoc committees meet irregularly and/or meet for a specific reason. Both categories will receive the same support from SEAC. Please reach out to [administrator@seacolorado.org](mailto:administrator@seacolorado.org) with any comments or questions.

## Active Committees

Committee	Chairperson	Contact Phone	Board Liason
Business Management	Tom Soell	303-444-1951	Brian Lobmeyer
Education	Irena Khanek Mere Hall	720-296-7959 470-398-6553	Sara Mickus
Existing Structures	Evan Hammel	720-415-6814	McKenzie Glass
Nominating	Ben Nelson	303-431-6100	Scott Hargrove
Northern Colorado	Greg Black	970-213-1824	Scott Hargrove
SE3	Jordan Jarrett	720-352-2979	Jordan Jarrett
Scholarship	Jeannette Torrents	303-444-1951	Jordan Jarrett
Steel	Sylvia Iverson	605-645-1442	Kim Olson
Student Outreach	Brian Lobmeyer	303-783-4797	Brian Lobmeyer
Sustainable Design	McKenzie Glass Michael Lyons	518-527-5904	McKenzie Glass
Western Slope	Sara Mickus	970-618-7708	Sara Mickus
Wind	Dale Statler	303-914-4300	Jordan Jarrett
Wood	Jeremy Crandall	303-458-1736	Sara Mickus
Young Members	Kamryn Froehle	907-854-8757	Holly Janowicz

# Ad Hoc Committees (active as needed / cyclically)

Committee	Chairperson	Contact Phone	Board Liason
BIM Committee	Alejandra Contreras	720-666-0163	Kim Olson
Building Department	OPEN		Holly Janowicz
Ethics	Peter Marxhausen	720-618-6473	Brian Lobmeyer
Licensure and Continuing Education	Brian Lobmeyer Chad Mitchell	303-783-4797 303-741-3737	Brian Lobmeyer
Membership	Matthew Hood Lacey Goetz	303-318-6539 303-804-7003	Kim Olson
Seismic	Rob Jackson	303-870-9334	Holly Janowicz
Standard of Practice	Ben Cook	303-909-7438	Scott Hargrove
SEER	Mike Piper	303-431-6100	Brian Lobmeyer
Snow Load	Jeannette Torrents	303-444-1951	Brian Lobmeyer







# JOB OPENINGS



For immediate consideration, please Apply Online by clicking the link [HERE](#)

**Farnsworth Group** is seeking a **Sr. Bridge Engineer** in one of the following office locations: **Denver, Fort Collins, Colorado Springs, CO**. In this role you will be a key individual within a client focused, technically excellent Transportation Structural Engineering team that serves local and nationwide clients in the support of multiple design projects.

#### **Job Activities:**

- Serve in a lead technical role on bridge design projects
- Perform complex structural planning, analysis and design for structural aspects of transportation projects.
- Work on projects that typically include bridge (steel plate girders, pre-stressed concrete, reinforced concrete), box culverts, retaining walls and interchange design for highway and railway projects.
- Serve as a technical specialist or project manager (scope, schedule, budget, and quality) on mid-sized projects, and supervise more junior engineers in the performance of engineering tasks.

#### **Specific Requirements include:**

- Bachelor's in Civil Engineering with a focus on Structural Engineering
- Licensed Professional Engineer
- 10+ years of bridge engineering experience
- Proven hands-on experience in all aspects of bridge design projects.
- Experience using structural analysis programs and bridge design software.
- Demonstrated leadership skills, communication skills and ability to work with various teams.
- Must be comfortable being viewed as a technical expert in engineering analysis and design and have proven background of technical leadership on bridge projects.
- Experience working with DOT and/or Tollway Facility Bridge projects.

#### **Preferred Qualifications:**

- Masters in Structural Engineering
- Licensed Structural Engineer (SE)
- Familiarity with a variety of engineering software packages

**Salary Range:** \$100,000 - \$140,000 (Salary to be determined by the education, experience, knowledge, skills, and abilities of the applicant, as well as internal and external equity)

**Statement on Diversity and Inclusion:** Farnsworth Group is a collection of employees with unique backgrounds and perspectives that all come together to make us a better company. It is our goal to recruit, hire, develop, retain, and promote a diverse group of people. Join us...and let's make a difference together.

Farnsworth Group, Inc. is proud to be a M/F Disabled and Veteran EEO/AA employer.



[Click Here to Apply](#)

Are you a creative and solution-oriented licensed Architect or Engineer that is looking for a high level collaborative role where you will motivate and lead a team to best achieve the goals of the department? Are you passionate about making a difference in your community by being involved in shaping the future vision of Denver? We are seeking a highly motivated Architectural/Structural Plan Review Supervisor to join our team. This position is responsible for supervising the work of ten or more Professional Engineers (PE), Architects, and associated personnel involved in the review of construction documents and specifications for compliance with the Denver Building Code and Amendments related to the International Building Code, International Existing Building Code, International Energy Conservation Code, and appurtenant standards for new and existing buildings as it relates to architectural, life safety, structural, energy, and related requirements. Starting pay is **\$120,000 - \$150,000**, based on education and experience. We offer excellent work/life balance, unmatched [benefits](#), and a pension plan for life!

# 2023 SEAC CALENDAR OF EVENTS

## BOD Meetings | 8:00 a.m.

Thursday April 6, 2023

Thursday May 4, 2023

Thursday June 1, 2023

Thursday July 6, 2023

Thursday August 3, 2023

Thursday September 7, 2023

Thursday October 5, 2023

Thursday November 2, 2023

December Board Orientation TBD

## SEAC Newsletter Deadlines

May Issue - April 24, 2023

July Issue - June 26, 2023

September Issue - August 28, 2023

November Issue - October 23, 2023

## SEAC ENews Deadlines

April Issue - March 27, 2023

June Issue - May 22, 2023

August Issue - July 24, 2023

October Issue - September 25, 2023

December Issue - November 27, 2023

## General/Annual Meetings | 7:30 a.m.

Wednesday March 15, 2023 | PPA Event Center

Thursday May 18, 2023 | PPA Event Center

Thursday July 20, 2023 | PPA Event Center

Thursday September 21, 2023 | PPA Event Center

Fall Conference TBD

Annual Meeting November TBD

## March & April Committee Meetings

YMG Committee Meeting  
Tuesday March 14, 2023

SEAC/RMSCA Steel Committee Meeting  
Wednesday March 15, 2023

EC Meeting PE/SE Exam Bridge Review  
Thursday March 16, 2023

SE3 Committee Meeting  
Thursday March 23, 2023

Business Management Committee  
Thursday April 13, 2023

SEAC/RMSCA Steel Committee Meeting  
Wednesday April 19, 2023

NOCO Committee: "Why An Out-of-Area  
Member Should Become A Member" Presented  
By: SEAC Business Management Committee  
Thursday April 20, 2023

Wood Committee Meeting  
Thursday April 20, 2023

SE3 Committee Meeting  
Thursday April 27, 2023



# STRUCTURAL ENGINEERS ASSOCIATION OF COLORADO

## 2023 BOARD OF DIRECTORS



**Holly Janowicz**  
*President*

BYLD  
720-257-4468



**Scott Hargrove**  
*Vice President/Treasurer*

Knott Laboratory  
720-244-5998



**Jordan Jarrett**  
*Secretary*

Colorado State University  
970-491-3378



**Kim Olson**  
*Director*

Nucor  
303-720-4076



**Sara Mickus**  
*Director*

Evolve Structural Design  
970-618-7708



**McKenzie Glass**  
*Director*

Martin/Martin  
720-544-5433



**Brian Lobmeyer**  
*Past President*

Anchor Engineering Inc.  
303-783-4797

**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!