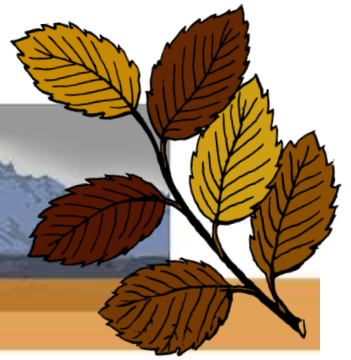




STRUCTURAL ENGINEERS OF COLORADO

NEWSLETTER



NOVEMBER ANNUAL MEETING

2016 SCHEDULE

Board of Directors

Martin/Martin, Inc.
November 3
Time: 7:00 a.m.

Annual Meeting

Loc: Denver Art Museum
Date: November 12, 2016
Time: 6:00—9:00 p.m.

Denver Art Museum



Please join us for the Structural Engineers Association of Colorado's Annual Meeting. It will be an enjoyable evening at the Denver Art Museum with extraordinary views of the city skyline and rocky mountain peaks. We will have exclusive access to the Western American Art Gallery dedicated to the culture, art, and history of the American West. Guests will be dining at Palettes Restaurant connected to the museum, where Chef Kevin Taylor will dazzle you with both taste and presentation.

The SEAC
Board of
Directors would
like to take this
opportunity to
once again
THANK the
membership of
SEAC for your
continued
support.
Our organization
continues to
grow!

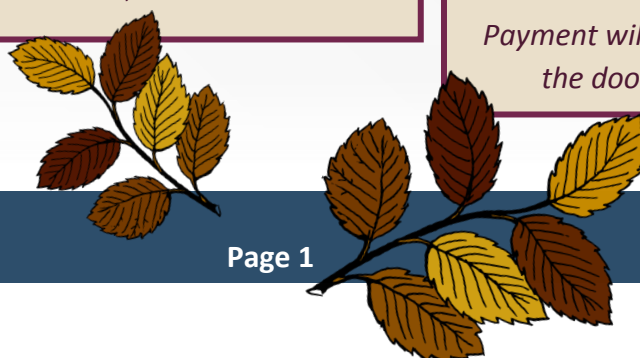
Palettes Restaurant

Located at the Denver Art Museum
100 West 14th Avenue Parkway
Denver, Colorado 80204

Cost: \$45 per person
Spouse/Guest is welcome to attend!

You **must** register [online](#).

*Payment will be accepted online, at
the door, or check by mail.*



BOARD OF DIRECTORS

Structural Engineers Association of Colorado



Ben Cook

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Wiss, Janney, Elstner
Associates, Inc.
303-914-4300
bcook@wje.com



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VP/Treasurer

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pdoak@martinmartin.com



Jeannette Torrents

Secretary

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303-444-1951
jtorrents@jvajva.com



Don Carroll

Past President

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561-226-1220
DCarroll@wje.com



Greg Black

Director

970-685-4152
G2black@comcast.net



Rob Jackson

Director

AECOM
303-843-2850
rob.jackson@aecom.com



Susan Jorgensen

Director

303-919-9321
susiejorg315@comcast.net

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!

PRESIDENT'S MESSAGE

Structural Engineers Association of Colorado

As the end of 2016 approaches, I would like to remind everyone of the final SEAC events for the year. On November 12, 2016, we will have our annual dinner event at the Denver Art Museum. I, for one, am truly excited about the venue and the exclusive access to the Western American Art gallery. Then, on December 2, the Young Members Group will host the annual Gingerbread Bridge Competition. For anyone who has not witnessed one of the past competitions, it exhibits some wonderful creativity by our younger members, as well as by some student teams. It also provides an opportunity for bragging rights by schools and firms that sponsor the winning teams.

I hope that by now you have had the opportunity to peruse the new SEAC website. In particular, I encourage you to use the Forum page as a place to engage fellow members in dialogue regarding business and technical issues pertaining to our profession. Please note that, due to the way the website manages our membership database, memberships will officially “expire” on December 1 each year. However, members will continue to have website and event access until March 1 of the subsequent year. Members who have not renewed by March 1 will lose all access on that date, so please try to renew as early as possible at the beginning of a new year. When renewing, please remember that if you have been an Affiliate Member in the past, and you recently became a P.E., you should re-apply through the website for Professional Member status. As a Professional Member, you will have the right to vote on SEAC matters, you will have membership to the NCSEA, and you will receive Structures magazine.

Another feature of the website will be granting our hard-working committee chairs limited administrator access so that they can post material to their committee pages. We anticipate hosting a training session for committee chairs in early 2017. Hopefully, this will help our members stay tuned into the activities of our committees, as well as encourage new membership in our committees.

Please keep an eye out for 2017 ballots for next year's Board of Directors. I promise SEAC's election will be more civil than the awkward election cycle for our Nation's new leaders.

Finally, as this is my last President's message, it has been an honor to be your President this year. It has only enhanced my respect for the organization, its roots, and its dedicated members. I look forward to seeing what 2017 will bring our organization.

Cheers,



Benton Cook, SEAC President



Plan Review Engineer – Architectural/Structural

SAFEbuilt is currently seeking a talented, experienced Building Plan Review Engineer or Architect to support their Greater Denver Area Office. This position offers great opportunity for dynamic, motivated self-starters to work on a variety of assignments. You'll be a member of our highly respected building department team with a full complement of resources to support you and exciting projects to keep you challenged. APPLY AT: <https://goo.gl/liMZq0>

SAFEbuilt has a 20 year history of providing building department services as a government contractor. Our culture is positive and energetic as we empower people to do what they do best. Join the other highly qualified and motivated individuals who share the common Core Values of Integrity, Respect, Service, Teamwork and Improvement.

We offer a strong salary and benefits package to reward ability, certification levels, and work experience. Benefits include health, dental, vision, life, and disability insurances, paid holidays, paid time off, paid training, new certification bonuses, a matching 401K Plan, and more.

Job Responsibilities:

- Review and evaluate architectural and structural construction documents submitted for approval utilizing applicable codes/standards/guidelines/laws, appropriate municipal ordinances, and construction and engineering standards, determine review fees, and authorize the release of approved documents for city permits.
- Check engineering calculations and provides timely oral and/or written communication detailing design and/or construction deficiencies in plans and specifications.
- Must possess the ability to positively interact with the other staff members, the general public, contractors, governmental entities, and other clientele
- Direct and participate in design coordination meetings regarding private development projects and city, state, and regional capital improvement projects in order to lead the development process, ensure timely approval and completion of projects, and resolve any problem areas.
- Assist inspectors with difficult or unusual code compliance issues and answer questions from inspectors about plan review comments.
- Cultivate, foster, and maintain positive working relationships with directors, managers, supervisors, employees, and other stakeholders to gain their cooperation and support on assigned projects/assignments.

SKILLS:

- Extensive knowledge of local building codes and current construction procedures/technology
- Interpretation of codes in the field and ability to provide code compliant solutions
- Must possess the ability to positively interact with the other staff members, the general public, contractors, governmental entities, and other clientele
- Excellent verbal and written communication skills
- Good time management, organization, and attention to detail skills
- Demonstrated ability to exercise initiative and a considerable amount of independent judgment

EDUCATIONAL AND LICENSING REQUIREMENTS:

- Bachelor of Science Degree in Architectural or Civil Engineering, or other directly related Engineering field.
- Registration as a Professional Engineer (P.E.) by the Colorado State Board of Registration
- Registration as a Professional Engineer by another state will be accepted in lieu of the requirement, provided the applicant is registered by the State of Colorado within 90 days.
- ICC Building Plans Examiner Certification
- Valid driver's license with good driving record

EXPERIENCE:

- 3+ years of experience as a Licensed Professional Engineer working as a lead project engineer in the construction industry.
- 3+ years of experience performing Commercial Building Plan Review

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



STRUCTURAL PROJECT ENGINEER

BOULDER/FORT COLLINS, CO

Designing buildings is an important job that takes great skill and responsibility. Involvement at every stage, working closely with trusted architects, and developing refined solutions for complex structural challenges is our business.

As part of JVA's Structural Engineering team you will work with mindful, experienced engineers who are devoted to sensible and conscientious problem solving for Colorado and the rest of the country's most important built environments. Our portfolio includes K-12 and higher education facilities, government and municipal buildings, resort facilities, parks, recreation, and camp facilities, healthcare, commercial and industrial buildings, single-family residential, senior and multi-family housing.

We are seeking a like-minded professional to join our team. Flexibility and desire to work on multiple projects is essential.

Responsibilities

Plan, schedule, and coordinate small to mid-sized projects

- Design and detail structural elements from main building frame to support of architectural features
- Provide construction administration services such as shop drawing review, RFI responses, and site observation.

Minimum Qualifications

5-10 years experience in all building types and systems

- Licensed Professional Engineer
- RAM and/or RISA and REVIT

To apply send your cover letter and resume to

careers@jvajva.com

POSITION
Full Time

TRAVEL AMOUNT
3% TO 5%

TRAVEL AREA
Local/regional, Colorado
and western states

MATERIAL/MEDIUMS
Steel, concrete, wood,
masonry



ANNOUNCEMENTS

Structural Engineers Association of Colorado

Welcome to our Newest Members

Lacey Goetz (Professional Member)
Integral Engineering Company

Glen Wilson (Student Member)
Wilson Construction

Lucille Hunter (Professional Member)
Odisea, LLC

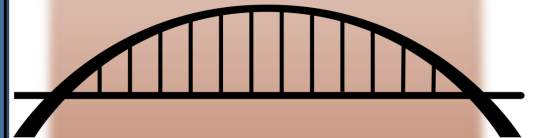
Sam Caston (Professional Member)
Caston Engineering & Design, Inc.

Timothy Gilchrist (Affiliate Member)
Fortis Structural, LLC

Wesley Jones (Affiliate Member)
Trimble

Sara Mickus (Professional Member)
Evolve Structural Design, LLC

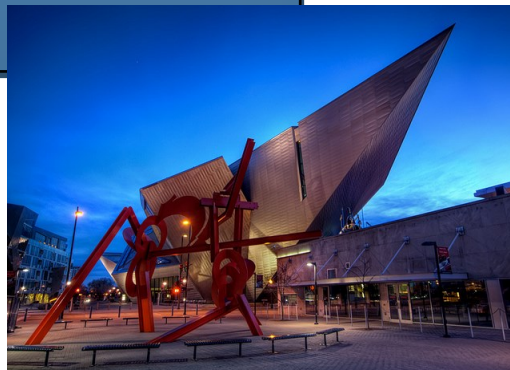
**Come show your
creativity at the
Gingerbread Bridge
competition!**



See flyer attached!



**Check look for the
attached flyer for the
Fall SEAC Dinner
information!**



IS YOUR COMPANY HIRING?

Consider placing an ad in the bi-monthly SEAC newsletter to reach over 300 members, including professional engineers, architects, contractors, suppliers, and vendors.

To learn more, contact Michelle Mishkar (SEACNEWS@MartinMartin.com)

ANNOUNCEMENTS

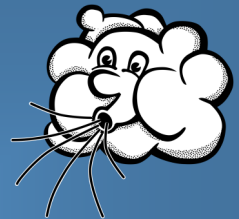
Structural Engineers Association of Colorado

SEAC Members

Northern Colorado Structural Engineers

SEAC Members, Northern Colorado Structural Engineers
Please join us Thursday, November 17th, 7:30 to 9:30 am at the CPP Inc.,
(Cermak Peterka Petersen), laboratories, 1415 Blue Spruce Drive,
Fort Collins, CO

This will be a meeting for a presentation on “**Wind Loads on Ground Mount and Roof Mount Solar Arrays**”, by David Banks and Yarrow Fewless



The amount of PV solar installed in the US within the year 2010 was less than 400 MW. This year the projected total is about 40 times that at 16 GW. In general solar racking structures are very sensitive to the wind and this boom in solar installations has led to a great demand for an accurate means to determine wind loads. Although ASCE 7 and related standards provide guidance for a monoslope free roof that resembles a solar structure, the guidance is generally too crude for accurate design. In many cases predictions based on ASCE 7 can be significantly inaccurate. In the case of commercial roof mount there are no recommendations at all. This presentation will detail the challenges related to wind loads on solar structures, and how wind tunnel testing and computational fluid dynamics can provide solutions where codified standards are silent or inaccurate. Fixed-tilt and single-axis tracking ground mount systems will be discussed, as well as commercial roof mount systems.

The presentation will be followed by a tour of CPP laboratories.

We hope to see you there. Please RSVP by
noon, Monday, November 14th to Greg Black @
g2black@comcast.net

Greg Black P.E., S.E.

Structural Engineers Association of Colorado (SEAC)



Hilton Hotel, Gold Coast, Australia

SPONSORS!

Your Logo Could Go Here!

Do you know someone that would be interested insponsoring a SEAC Meeting?

Please contact Don Carroll, Past-President, 561-226-1220 - DCarroll@wje.com

CU Denver is looking for (2) judges/ volunteers for the Senior Design Projects on December 9th, from 5:30pm to 9:00pm. Dinner will be served.

If interested, please contact Peter Marxhausen at:

PETER.MARXHAUSEN@UCDENVER.EDU

SEAC Education Committee Corner

Structural Engineers Association of Colorado



The Board of Directors is pleased to announce that the SEAC Education Committee received a \$3,000 grant from NCSEA.

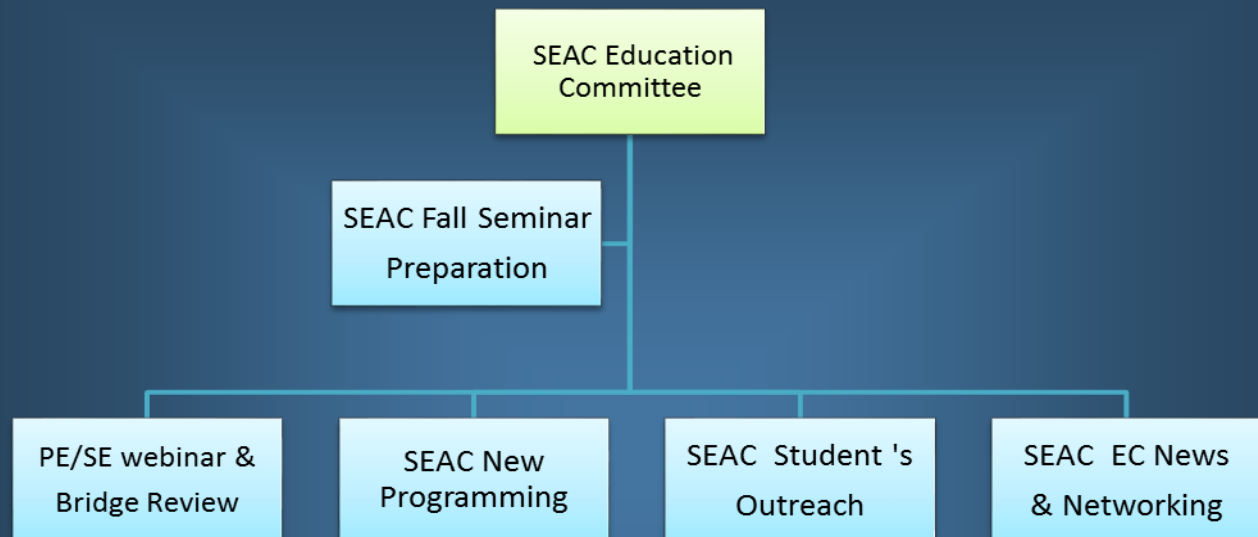
The funds will be used to expand the educational programs offered by SEAC. The grant application included arranging for project presentations twice a year, and organizing job site and plant tours at least once a year. The grant covers the costs for arranging these activities over the next two years.

Irena Kahanek, and Chad Mitchell, co-chairs of the Education Committee, along with entire committee, are to be congratulated for their efforts, and to Dena Wyatt from Marketing Evolution who helped us with the final grant application review from the marketing perspective. We look forward to the additional opportunities they will be providing for us.



SEAC Education Committee Corner

Structural Engineers Association of Colorado



The SEAC EC is creating sub-committees which will support this new programming.

If interested in participating or providing Project Presentation during this new programming, contact us at EducationSEAC@gmail.com

SEAC Fall Seminar

Irena and Chad would like to thank to all of the SEAC Education Committee members who work hard the whole year to prepare the annual SEAC Fall Seminar and support the committee's various programming. It's a great team!

Arthur Ashworth, Michelle Black, Matt Hardman, Scott Hargrove, Holly Janowicz, Susie Jorgensen (Board Liaison), Irena Kahanek (Co-Chair), Stefan Kalbli, Margaret Kimble, Jason Lien, Brian Lobmeyer, Ron Manske, Peter Marxhausen, Chad Mitchell (Co-Chair), Natalie Mozer-Renn, Tania Peterson, Daniel Stigdig, Kevan Thurman, Vanessa Werbylo, Jennifer Volz

SEAC Education Committee Corner

Structural Engineers Association of Colorado

SEAC Fall Seminar

The 2016 SEAC Fall Seminar presentations by Jason Lien and Michelle Kam-Biron were very informative and we hope everyone enjoyed it.

If you didn't have a chance to complete the seminar survey, please infill it electronically via Survey-Monkey instead. <https://www.surveymonkey.com/r/VKRL2WS>

 <p>October 27, 2016</p>	<p>2016 SEAC Fall Seminar</p>
<p>Presenter: Jason Lien, PE, FCPI <i>Executive Vice President, EnCon United, Denver, CO</i></p> <p>Coordination Details Between the EOR and the Precast Designer</p> <p>Presenter: Michelle Kam-Biron, PE, SE, M.ASCE, SECB <i>Senior Director of Education, American Wood Council</i></p> <p>Seismic-Resistive Design of Wood Buildings</p>	<p>Welcome!</p> <div data-bbox="893 1165 1071 1396"></div> <div data-bbox="1120 1417 1299 1627"></div> <p>1</p>

SEAC Education Committee Corner

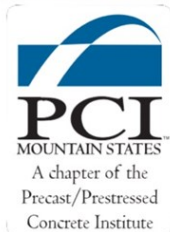
Structural Engineers Association of Colorado



6

2016 SEAC Fall Seminar Sponsors THANK YOU!

GOLD SPONSOR



SILVER SPONSOR



7

2016 SEAC Prize Seminar Sponsors THANK YOU!



AMERICAN WOOD COUNCIL



SEAC Education Committee

SEAC COMMITTEES... We Need You!

Structural Engineers Association of Colorado

Have you considered joining a committee?

*Your participation is what makes our organization so successful.
If you are interested in joining, please click on the hyperlinked name to contact
the Committee Chair or Board Liaison.*

Committee	Chairperson	Contact Phone	Board Liaison
BIM	Dezi Mackey	303.431.6100	Jeannette Torrents
Building Dept. Liason	DORMANT		Rob Jackson
Business Management	Paul Hause	303.399.5154	Paul Doak
Construction Industry	Mark Cormier	303.444.1951	Paul Doak
Denver Building Dept.	Jerry Maly	303.914.4300	Rob Jackson
Education	Irena Kahanek	720.296.7595	Susan Jorgenson
	Chad Mitchell	720.407.1031	
Ethics	Peter Marxhausen	303.947.5375	Ben Cook
Membership	Jerry Maly	303.914.4300	Ben Cook
Nominating	Jerry Maly	303.914.4300	Ben Cook
Northern Colorado	Greg Black	970.619.8986	Greg Black
Precast Concrete	Trevor Kirkley	303.298.1900	Paul Doak
	Graham Allen		
SEER	Brent Norris	303.860.9021	Rob Jackson
	Mike Piper	303.431.6100	
Scholarship	Jeannette Torrents	303.444.1951	Susan Jorgenson
Seismic Standards	Rob Jackson	303.843.2850	Ben Cook
Snow Loads	Jeannette Torrents	303.444.1951	Jeannette Torrents
Standard of Practice	Jim Ness	303.623.4927	Paul Doak
Steel Materials	Ben Cook	303.914.4300	Ben Cook
Wind Loads	Jeannette Torrents	303.444.1951	Jeannette Torrents
Young Engineers	Mathew Peterson	303.726.2909	Susan Jorgenson
Existing Structures	Gene Stevens	303.860.9021	Ben Cook

SEAC ANNUAL EVENT 2016



Palettes Restaurant

Located at the Denver Art Museum
100 West 14th Avenue Parkway
Denver, Colorado 80204



Please join us for the Structural Engineers Association of Colorado's Annual Meeting. It will be an enjoyable evening at the Denver Art Museum with extraordinary views of the city skyline and rocky mountain peaks. We will have exclusive access to the Western American Art Gallery dedicated to the culture, art, and history of the American West. Guests will be dining at Palettes Restaurant connected to the museum, where Chef Kevin Taylor will dazzle you with both taste and presentation.



*Cost: \$45 per person
Spouse/Guest is welcome to attend!
Register and pay online or at the door.*

**Saturday,
November 12, 2016
6:00 – 9:00 PM**

**This year's event will
be perfect for both
food and art lovers.**

**A decadent
buffet dinner
accompanied by hors
d'oeuvres and
cocktails!**

**Explore one of the
most popular
galleries the Denver
Art Museum has to
offer!**

**Solo guitarist
Grayson Erhard**

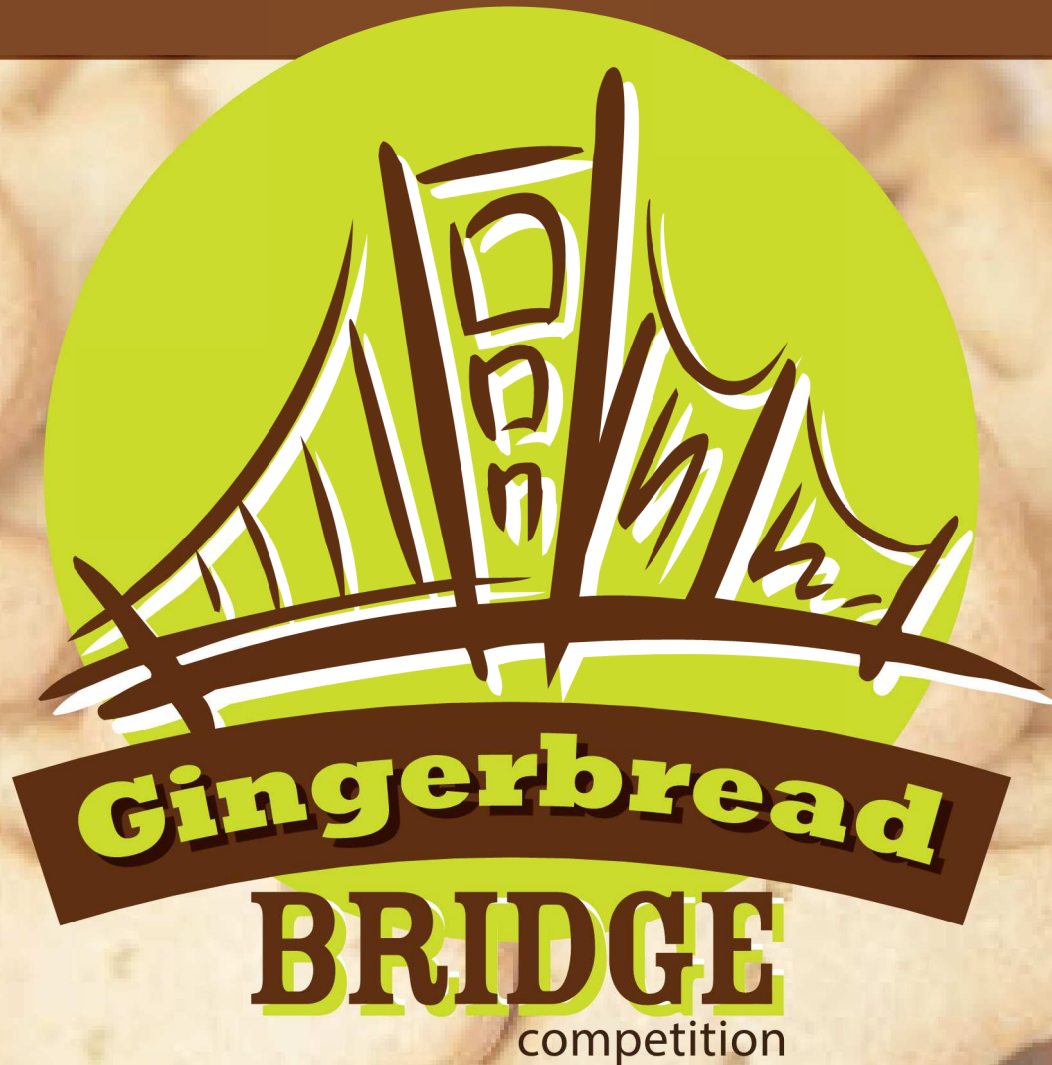
RSVP ONLINE AT

<http://www.seacolorado.org>

Make check payable to:
SEAC

Attn: Caryn Farrell
c/o Martin/Martin, Inc.
12499 W. Colfax Ave.
Lakewood, CO 80215

ATTENTION:
ENGINEERS, ARCHITECTS
& BUILDERS
COME SHOW YOUR CREATIVITY



WHEN: 12/02/2016 @12:00 pm
WHERE: Jackson's Sports Rock
1520 20th St
Denver, CO 80202
COST: \$50 per bridge

Registration required by November 14, 2016

Entry fee payment required by November 14, 2016

Register at gingerbreadbridge.com

sponsored by



gingerbreadbridge.com

