



STRUCTURAL ENGINEERS OF COLORADO

NEWSLETTER

MARCH GENERAL MEETING

2015 Schedule

Mark Your Calendar

General Membership Meetings

Renaissance Hotel

(Breakfast 7:30 a.m.)

January 22 - 4th Thursday

March 19

May 28 - 4th Thursday

Sheraton Denver West

July 16

September 17

Fall Seminar

October 22

Location: Sheraton Denver West

Time: TBD

Annual Banquet

Date: TBD

Location: TBD

Time: TBD

Board of Directors

Structural Consultants, Inc.

(7:30 a.m.)

January 8

February 5

April 2

June 4

August 6

October 1

Business Management Committee

Renaissance Hotel

(Breakfast 7:30 a.m.)

February 12

April 9

June 11

August 13

October 8

COLLAPSE OF FOUNDATION SOILS

March's presentation will be focused on Identification, Classification, Evaluation and Prediction of the performance of collapsible soils from an engineering perspective. Evaluation by exploratory borings and laboratory tests will be presented. Correlations of various test results from publications and experience by CTL/Thompson using different sampling methods will be shown. Predictions using the results consolidation tests are believed to be the best predictor however these must be based on reasonable estimates of the depth of soils to be wetted after construction. Graphs of observed depths of moisture penetration for structures damaged by soil collapse will be presented. Geotechnical engineering practice is evolving as more performance data is becoming available. Some of the many possible approaches will be described.

Robert W. Thompson P.E., D.GE, F. ASCE Founded CTL/Thompson in 1971 and has been in practice in the Denver market since 1962. Mr Thompson has direct experience in analysis and evaluation of performance of many structures on collapsing soils. The experience includes both success and failure.



PLEASE NOTE:

The May General Meeting date and location has changed. The meeting will be held on May 28, 2015 at the Sheraton Denver West.

March 2015 Meeting

Thursday, March 19, 2015

Renaissance Denver Hotel

(Breakfast at 7:30 a.m.)

3801 Quebec Street, Denver, CO 80207
(South of the I-70 & Quebec Intersection)

MUST RSVP by **Monday, 16, 2015** on the SEAC website at:
www.seacolorado.org

BOARD OF DIRECTORS

Structural Engineers Association of Colorado



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President

J.R. Harris & Company
303-860-9021

don.carroll@jrharrisandco.com



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VP/Treasurer

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Director

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SusieJorg315@comcast.net

We Want To Hear From YOU! The SEAC BOD is interested in hearing your suggestions, comments and ideas. Please feel free to contact a member of the Board of Directors at any time.

Thank you to all of our members who continue to support SEAC!

PRESIDENT'S MESSAGE

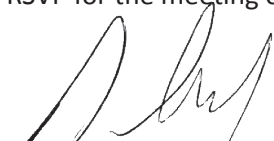
Structural Engineers Association of Colorado

After a warm and sunny couple of weeks, we are back into the grip of winter with several small snowfalls, one after the other. I know I am always looking at drifted snow shapes after a respectable snowfall just to see if they look like the good book, (ASCE 7) tells us they should. Apart from whimsical snow observations, 2015 finds many of us busy. The SEAC Board of Directors is no exception. We are undertaking the herculean tasks of budgets, implementing portions of the new Strategic Plan (attached to this newsletter), logistics on how best to set up a Bloody Mary bar at Board Meetings, planning website improvements, and (due to overwhelming member opinion) ensuring we always have bacon at the breakfasts (and not that kind from north of the boarder, either).

Also hard at work are many of SEAC's Committees. The Education Committee is working on the fall seminar; the Steel, Precast, and BIM Committees are working on presentations for future meetings; the Ethics Committee is starting up; and finally, the Snow Load Committee is wrapping up their work on a new reliability based snow load map for our state. Included in this newsletter is a list of current committees and their contact information. Chances are that whatever engineering topics most interest you, SEAC has a committee for it. If not, just contact a Board Member about how to start one. I urge you all to join a committee.

The March general meeting is a joint meeting with the members of the Colorado Association of Geotechnical Engineers (CAGE). Our speaker will be **Bob Thompson**. He will be discussing collapsible soils and some of the unique problems they pose in predicting the very properties we as structural engineers rely on to design foundations.

New for the March meeting, custom printed nametags! In an effort to get away from what we, on the Board, affectionately refer to as "the crate," we will be using printed peel and stick nametags. No longer will you hunt through the nametag boxes wondering where you last left your tag, but please keep in mind you will need to RSVP for the meeting or you will go without.



Don Carroll, SEAC President

WELCOME

Please Welcome Our New Members

Stefan Kalbli (Professional Member)
Stresscon

Gregory Reizian (Professional Member)
Reizian Structural Engineers, LLC

Daniel Stadig (Professional Member)
The Leffler Group, Inc.

Joseph Camilleri (Affiliate Member)
Thornton Tomasetti

John Dobbs (Affiliate Member)
Precast/Prestressed Concrete Institute Mountain States

Jacob Hoffman (Affiliate Member)
Thornton Tomasetti

Margaret Kimble (Affiliate Member)
GEI Consultants

Phil Leithner (Affiliate Member)
Powers Fasteners

Jacob Machone (Affiliate Member)
Martin/Martin, Inc.

Thomas Maude (Affiliate Member)
Higgins & Associates, Inc.

Allen Thompson (Affiliate Member)
Thornton Tomasetti

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



Farnsworth Group, Inc. is a full-service engineering and architectural firm with offices and employment opportunities located throughout a nationwide network of offices. Farnsworth Group is an employee-owned company with a rich 100-year history that offers an impressive benefits and compensation program, in addition to excellent career development opportunities. We are always looking for exceptional and talented employees who are passionate about their craft and the solutions we provide to our clients. We have the following position available:

Structural Engineer – Leader, Denver, CO

This is a unique and exciting opportunity for an experienced Structural Engineer to join our team in our Denver, CO office. This key leadership position will work to build a client focused, technically excellent building structural engineering team to serve local and nationwide clients in the support of multiple design and construction projects.

Qualified candidates will be expected to provide technical leadership related to both building and bridge structural engineering. We are looking for someone with an entrepreneurial drive to develop business opportunities in relation to structural engineering. Specific responsibilities include the ability to cultivate strong client relationships, lead marketing activities, build a team, develop and mentor staff, collaborate with other disciplines, establish and maintain budgets, and work in partnership with leadership throughout the Company.

Specific Requirements include:

- Bachelors in Civil or Architectural Engineering, Masters in Structural Engineering or Business Administration preferred
- Licensed Professional Engineer, currently registered or eligible to apply to be registered in the state of Colorado
- 10 years of diverse project experience in the design and construction administration of building and industrial structures

- Experience in transportation structures, desired
- Proven leadership skills with engineering staff and organizations
- Excellent interpersonal, written and verbal communication skills
- Strong team player in a multi-disciplinary environment
- Ability to effectively manage clients
- Ability to effectively participate in and lead business development activities
- Ability to manage and contribute to several projects simultaneously
- Working experience with AutoCAD and REVIT, preferred
- Preference given to candidates local to the Rocky Mountain region.

We offer a competitive salary and benefits program that includes:

- Medical/Dental Plans
- Prescription Drug Program
- Vision Plan
- 401(k) with Company Match
- Tuition Reimbursement
- Flexible Spending Account
- Time-off Benefits

For immediate consideration:

Please Apply Online by clicking on the link below:

<http://newton.newtonsoftware.com/career/JobIntroduction.action?id=8acf169147ec62990147f03377a005e0&source=SEAC-Structural%20Engineering%20Association%20of%20CO>

Or visit the Farnsworth Group website at www.f-w.com and click on the careers link.

Farnsworth Group, Inc. is proud to be an EEO/AA employer M/F/D/V.

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



STRESSCON

Architectural and Structural Precast Concrete
An **EnCon** Company

Project Engineer Opportunity—Architectural and Structural Precast/Prestressed Building Solutions (Colorado Springs, CO)

Stresscon Corporation (www.stresscon.com), a highly respected specialty contractor and manufacturer of architectural and structural precast prestressed building components, has an immediate Project Engineering opportunity in its Colorado Springs, CO office for an experienced engineer with precast experience.

Summary of Position:

The primary responsibilities for this role will include:

- Have ability to establish design criteria and perform design calculations.
- Plans and designs architectural and structural members and systems for commercial precast and prestressed projects.
- Work in collaboration with and provide engineering design information to the Drafting Department
- Troubleshoot technical issues and provide viable solutions and repair details on assigned projects
- Perform a review of project-related drawings according to company standards
- Analyzes specifications, drawings, blueprints, codes & standards and other data to design projects.
- Proficiency in AutoCAD, MathCAD, Microsoft Excel and familiarity with the ASCE 7, IBC, and ACI 318 codes a plus.
- Uses computer assisted engineering, design, and detailing software such as AutoCAD, Mathcad, and others to prepare engineering and design documents.

- Directs work of drafters to complete project erection drawings and production shop cards.
- Checks the erection drawings and production shop cards for accuracy, compliance with contract documents and design intent, while maintaining necessary schedules.
- Interfaces with project design team contractors, architects, and engineers to develop design, obtain approval of design, resolve issues and maintain schedules.
- Prepares repair work orders and works with plant and field personnel to achieve their completion.
- Inspects project construction sites to ensure conformance to design requirements, specifications, construction standards and codes.

Knowledge, Skills and Abilities Required:

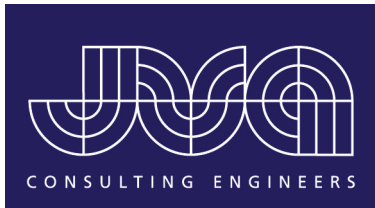
Applicants for consideration will possess a Bachelor's Degree in Civil or Structural Engineering, have a PE license or is in the process of attaining their PE license. Prior precast/prestressed experience not required, but a plus either directly in the industry or in a consulting role. Minimum two-three years of precast experience. Candidate must have experience in structural design with an emphasis on concrete design. Candidate must be performance-driven, team-oriented and client-focused with strong written/verbal communication skills and a strong work ethic. Must possess the ability to work productively and cooperatively in a team environment.

Benefits: The Company offers a competitive and comprehensive benefit package. Stresscon Corporation is an Equal Opportunity Employer.

Contact Information: Please send cover letter and resume to: jjacobsen@stresscon.com

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



Winter Park

JVA, Inc. has an opening for a Structural Project Engineer with project management experience in our Winter Park office. We are looking for a licensed engineer with 8-10 years of design experience in a variety of building systems. Successful candidates will be motivated, service-oriented, experienced with REVIT, RAM, and/or RISA; and possess strong written and verbal communication skills. Send résumé to JVA, Inc.; 1319 Spruce St.; Boulder, CO 80302 or e-mail

info@jvajva.com. JVA offers competitive salaries and comprehensive benefits in a rewarding work environment.

To learn more about JVA, please visit

www.jvajva.com

Fort Collins

JVA, Inc. has an opening for a Structural Project Engineer with some project management experience in our Fort Collins office located in historic Old Town. We are looking for a licensed engineer with 5-10 years of design experience in a variety of building systems. Successful candidates will be motivated, service-oriented, experienced with REVIT, RAM, and/or RISA; and possess strong written and verbal communication skills. Send résumé to JVA, Inc.; 1319 Spruce St.; Boulder, CO 80302 or e-mail info@jvajva.com. JVA offers competitive salaries and comprehensive benefits in a rewarding work environment. To learn more about JVA, please visit www.jvajva.com

JVA has an opening for a creative and highly motivated structural engineer to work with our Historic Preservation and Residential teams in our downtown Boulder office.

Qualifications:

- 5 years' experience minimum; license Professional Engineer.
- Experience assessing historic structures or existing buildings and designing repairs and alterations important.
- Experience in multi-family residential construction is highly desirable.
- Strong technical skills required. Experience in wood and masonry design critical. Seismic, steel and concrete design experience also desirable.
- Excellent writing skills and verbal communication required. Experience writing technical structure assessment reports desirable.
- Experience with REVIT and AutoCAD.
- Primary responsibility will be in our Historic Preservation department. Flexibility and desire to work on multiple projects is essential.

JVA is headquartered in beautiful downtown Boulder, Colorado, with a northern office in Fort Collins and a mountain office in Winter Park. Established in 1956, JVA is a 80-person structural, civil and environmental engineering firm serving architects, owners, and builders on projects throughout the Rocky Mountain region and nationwide. JVA has a strong background in preservation and renovation work on historic buildings, and we are the only firm in Colorado with a Historic Preservation Department dedicated to this effort. We provide forensic, stabilization, renovation and preservation services on a large variety of historic structures ranging from dilapidated barns and mining cabins to high profile buildings with Historic Register listings.

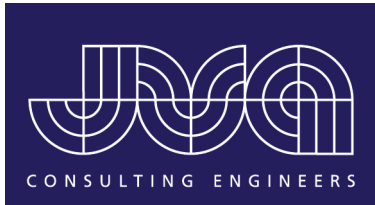
At present we provide services to the National Park Service on several A/E teams team for both historic and new work in multiple regions of the country. We've completed dozens of NPS projects involving visitor centers, auditoriums, comfort stations, shelters and housing.

JVA is active with the U.S. Green Building Council, and many of our engineers are LEED Accredited Professionals. In addition JVA Inc. is fully committed to ongoing staff training,

Please visit our website at www.jvajva.com
Competitive benefit package.

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



STRUCTURAL PROJECT ENGINEER (BOULDER)

JVA has an opening for a creative and highly motivated Structural Engineer to work in our downtown Boulder office.

Qualifications:

- 1) 5 years experience minimum; licensed Professional Engineer.
1. Expertise in all building types and systems preferred.
2. Strong technical skills required: Building design experience with wood, masonry, steel, and concrete is essential. Seismic design experience is desirable.
3. Excellent writing and verbal communication skills are required.
4. Experience with REVIT and AutoCAD is desirable.
5. Flexibility and desire to work on multiple projects is essential.
6. Motivated, service oriented, and must have a passion for engineering.

JVA is headquartered in beautiful downtown Boulder, Colorado, with a northern office in historic Old Town Fort Collins and a mountain office in Winter Park. Established in 1956, JVA is an 80-person structural, civil, and environmental engineering firm serving architects, owners, and builders on projects throughout the Rocky Mountain region and nationwide.

We have assembled a talented team of engineers, drafters, and support staff who provide high quality services consistent with JVA's corporate philosophy.

JVA is a member of the U.S. Green Building Council and we are committed to designing high performance buildings and sustainable sites. Our building portfolio includes institutional facilities, residential construction and commercial buildings. We specialize in historic preservation and our structural team is working on National Park projects in multiple regions of the United States.

JVA is committed to excellence and is a caring company focused on our staff. We are an open book organization that offers our staff flexibility and encourages community involvement. Staff training and continuing education is important to our culture and JVA's staff is active in builder's groups and professional organizations such as SEAC, ACEC, DBIA, AIA Colorado, Colorado Preservation Inc., and the Association of Preservation Technology.

Please visit our website at www.jvajva.com
Competitive benefit package

EMPLOYMENT OPPORTUNITIES

Structural Engineers Association of Colorado



1/4 PAGE - \$100.00

1/2 PAGE - \$150.00

The cost of placing an Employment Ad will increase beginning with our next newsletter. The following changes will apply:

1/4 page - Cost \$100.00

1/2 page - Cost \$150.00

Full Page - Cost \$250.00

Please contact Caryn Farrell at seac@martinmartin.com if you are interested in placing future employment ads.

FULL PAGE - \$250.00

SPONSORS - THANK YOU

Structural Engineers Association of Colorado

POWERS FASTENING INNOVATION MARCH CO-SPONSOR



Powers Fasteners has been a worldwide pioneer in the fastening industry since 1921 and today is the leading supplier of concrete and masonry anchors and fastening systems in North America. Powers has extensive engineering and manufacturing expertise in several product groups, including mechanical anchors, adhesive anchoring systems, and powered forced-entry systems such as powder-actuated and gas fastening systems. Powers is a division of Stanley Black & Decker, Inc.



Office: (303) 371-1370
Toll free number (800) 321-9996
Fax: (303) 371-0805
Email: sales@centennialbolt.com

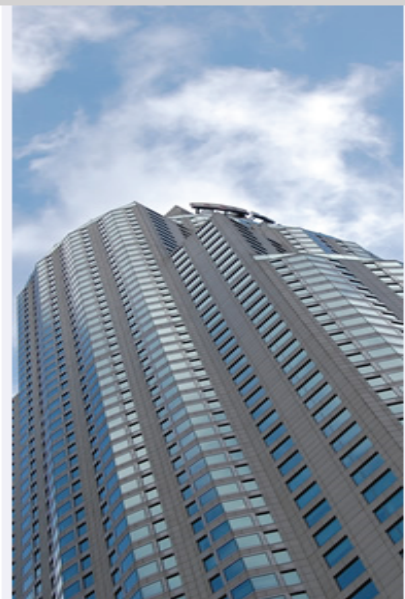
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Welcome to Centennial Bolt, Inc.

Centennial Bolt, Inc. has been serving the Rocky Mountain Region for over 29 years with the largest, most diverse inventory in the area. This coupled with a highly motivated and customer service oriented team, creates a great company to meet all your fastener needs. This website provides contacts to the sales team as well as it includes some other helpful information. Thank you for visiting and Centennial looks forward to assisting you in the future.

Product Industry Knowledge

As some companies say "no stock" because it is not one of their pre-assigned part numbers or their "fastener specialist" does not know the product being inquired about, Centennial Bolt's sales personnel are informed and educated with all standard and non-standard items in the industry.



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 one of the links below to get in touch with a Committee Chairperson, or feel free to contact one of the Board of Directors.

SEAC 2015 Committee Chairs



	<u>Committee</u>	<u>Chair</u>	<u>Phone</u>	<u>Chair Email</u>	<u>Board Liaison</u>	<u>Liaison Email</u>
1	Construction Industry	Mark Cormier	303-444-1951	mcormier@jvaiva.com	Paul Doak	pdoak@martinmartin.com
2	BIM	Dezi Mackey	303-431-6100	dmackey@martinmartin.com	Don Carroll	don.carroll@jrharrisandco.com
3	Building Dept. Survey	DORMANT	303-447-2813		Bob Patillo	bob@paengineers.com
4	Business Management	Wayne Muir	303-399-5154	wayne@sci-denver.com	Paul Hause	paul@sci-denver.com
5	Denver Building Dept.	Jerry Maly	303-914-4300	jmaly@wje.com	Paul Hause	paul@sci-denver.com
6	Education	Irena Kahanek Chad Mitchell	 720-407-1031	irena.kahanek@gmail.com cmitchell@samiro.com	Susan Jorgenson	SusieJorg315@comcast.net
7	Ethics	Peter Marxhausen	303-947-5375	Peter@higginsassoc.com	Bob Patillo	bob@paengineers.com
8	Membership	Jerry Maly	303-914-4300	jmaly@wje.com	Ben Cook	BCook@wje.com
9	Nominating	Jerry Maly	303-914-4300	jmaly@wje.com	Paul Hause	paul@sci-denver.com
10	Northern Colorado	Dale Jones	970-619-8986	djones@dfse.com	Bob Patillo	bob@paengineers.com
11	Precast Concrete	Alex Mihaylov	303-298-1900	Amihaylov@EnconUnited.com	Paul Doak	pdoak@martinmartin.com
12	SEER	Brent Norris Mike Piper	303-860-9021 303-431-6100	brent.norris@jrharrisandco.com mpiper@martinmartin.com	Rob Jackson	rob.jackson@aecom.com
13	Scholarship	Jeanette Torrents	303-444-1951	jtorrents@jvaiva.com	Don Carroll	don.carroll@jrharrisandco.com
14	Seismic Standards	James Harris	303-860-9021	jim.harris@jrharrisandco.com	Ben Cook	BCook@wje.com
15	Snow Loads	Jeanette Torrents	303-444-1951	jtorrents@jvaiva.com	Bob Patillo	bob@paengineers.com
16	Standard of Practice	Jim Ness	303-623-4927	jness@monroe-newell.com	Paul Doak	pdoak@martinmartin.com
17	Steel Materials	Ben Cook	303-399-5154	BCook@wje.com	Ben Cook	BCook@wje.com
18	Wind Loads	Jeanette Torrents	303-444-1951	jtorrents@jvaiva.com	Rob Jackson	rob.jackson@aecom.com
19	Young Engineers	Mathew Peterson	303-726-2909	peterston.matt.s@gmail.com yeg.seac@gmail.com	Paul Hause	paul@sci-denver.com



Structural Engineers Association of Colorado Strategic Plan

September 30, 2014

SEAC Strategic Planning Subcommittee members: Benton Cook; Luis Estenssoro; Paul J. Hause (co-chair); Irena Kahanek; Andrew Kelsey; R. Wayne Muir (co-chair); Jim Ness; Brent Norris; Tom P. Skinner. This is a subcommittee of the SEAC Business Management Committee (BMC).

Introduction

The strategic objectives of the Structural Engineers Association of Colorado (SEAC) from the outset have been:

“a) The cultivation of friendly relationships among practicing structural engineers and between structural engineers and other individuals and groups;” and “b) Advancement of the technical and business knowledge of structural engineering.” Constitution and By-Laws, Structural Engineers Association of Colorado, Revised April 10, 1964.

The subcommittee’s charter was to keep true to the founding vision of the organization, and develop a plan to guide the organization in evolving to fulfill the mission of SEAC in the context of the current and near future environment in which structural engineers practice.

This strategic plan is intended to serve as a reference guide for future Boards of Directors (BOD), bringing focus and continuity to the long-term strategic development of the organization. The following sections contain the outline of the recommended strategic plan for SEAC. It is organized around the following five key functional attributes of the organization, with specific strategic initiatives identified for each:

- Management and Administration
- Education
- Marketing, Promotion, Image
- Committees
- Technology

The Plan outline is followed by a brief section regarding suggested short term goals and management of the Plan.

Management and Administration

STRATEGIC GOALS: Improve administrative functionality and record keeping.

Effective and efficient management and administration of the organization is imperative to providing the benefits and services expected by the members. The current arrangement uses a combination of volunteer efforts of members supplemented by a part-time administrative assistant to fulfill this role. Considering the current size of the organization, the volume of programming produced, and the frequent use of e-mail as the primary communication vehicle, it appears that the time availability of the volunteer officers is the major constraint to improving in this area. Annual changes in BOD members and roles, combined with the current scope of duties of the Executive Assistant do not ensure continuity or sustainability in maintaining the association’s records.

Following are specific recommendations aimed at furthering the following key initiatives: Provide better support to volunteer officers; Expand the Executive Assistants role; Make better use of Directors and Past Presidents; Leverage available technology; and, Centralize record keeping.

- Expand the duties of the Executive Assistant to include record keeping, financial information management, coordinating with website/IT consultants, and preparing BOD meeting minutes.
- Add a part-time assistant to expand capacity and provide back-up to the Executive Assistant.
- Centralize all record keeping with the Executive Assistant.
- Implement a Past-Presidents forum to maintain and share organization knowledge.
- Revisit the strategic plan before the start of each year, incorporate items into the annual agenda.
- Plan for the eventual transition of the Executive Assistant.
- Monthly BOD meetings.
- Expand the utilization and role of Directors. Develop lists of specific responsibilities.
- Designate Director positions to include specific demographics (past presidents, young members, regional members, etc.).
- Centralize financial records in one location, subject to Treasurer oversight, and annual review by the accountant that prepares the Annual IRS report for SEAC.
- Establish a long-term plan for the use and management of the savings account.
- Implement better accounting tools to manage the financial data for the organization, with monthly statements.
- Update the Bylaws and Operations Manual to enable the use of current technology.

Education

STRATEGIC GOALS: Maintain quality programming; Develop additional events; and, Improve access to programming.

Technical and business education was, and continues to be a core purpose for the establishment of SEAC. **Opportunities exist to: Extend and update educational programming and delivery methods; Take advantage of current communication tools; and, Address the rapidly changing practice environment.** The following specific recommendations are aimed at fulfilling these goals.

- Add one or two more breakfast meetings or short educational seminars, adjust dues or event pricing accordingly.
- Make presentations more formal to meet national CEU/PDH standards.
- Host seminars with nationally known speakers. Survey SEAC membership to find out presentation topics of interest, or provide “suggestion box” on SEAC website for members to provide their comments.
- Extend group activities per members’ interest. The recent SEAC Education Committee survey will indicate the members’ interest and needs for various new group activities. This could be a joint venture of the Education Committee and Young Engineers Group.
- Provide opportunities for review courses and study groups for PE/SE exams. Provide links to websites providing DORA licensing information, review materials or courses for PE/SE exams.
- Use social media platforms and the website to extend discussions and access to discussions
 - SEAC general meeting – continue discussions online about the presentation.
 - Committee meeting updates.
 - Post links to structural articles and documents of interest.

Marketing, Promotion, Image

STRATEGIC GOAL: Establish organization wide processes to incorporate the marketing and promotion of the image of SEAC, structural engineering and structural engineers as a cultural attribute of SEAC.

It appears there is a continuing, unfulfilled need to educate the public, facility owners and managers, our clients, contractors, subcontractors, detailers, fabricators and future structural engineers of the practice of structural engineering. This effort will enhance the value of our services, instill confidence in the public, attract new members to SEAC, and attract quality students to our ranks. A consistent coordinated effort is required to maximize the impact. SEAC needs to seek out qualified members and students to maintain and grow a healthy organization. **Key tenets of this initiative include: Focusing on the Young Engineers Group (YEG); Website development and improvement; and, Increasing our outreach to professional, civil, educational and community organizations.**

- Engage and Promote the YEG
 - Poll the YEG regularly for their input on SEAC processes and programming.
 - Make better use of the website and employ social media platforms.
 - Identify and support community service projects.
 - Review and consider adjusting dues for young members and students.
- Make better use of the Website
 - Expand website capability as an information sharing hub (Share-point, FTP, etc.).
 - Provide SEAC's calendar with all General, BOD, and Committee meetings in electronic version with sharing capability.
 - Include links to other organizations, and member firms.
- Improve Outreach
 - Add outreach function to BOD member duty descriptions.
 - Incorporate outreach functions into committee activities.
 - Sponsor events of other organizations.
 - Form a Marketing, Promotion, Image Committee.
- Improve the Annual Dinner Meeting
 - Recognize special service and life time membership.
 - Keep this primarily a social event with light programming and SEAC business content.
 - Hold the event at an interesting venue.
 - Establish a program to recognize excellence in structural engineering, present awards annually.
- Enhance Membership Development and Tracking
 - Institute an annual membership renewal practice to acquire updated information.
 - Consider a firm membership program.
 - Review dues structure.
 - Update and improve the membership renewal/application form, make it web based.

Committees

STRATEGIC GOALS: Fully support committees; Revise committee names and functions to meet current SEAC needs; and, Actively recruit new committee members and chairpersons.

Committees are a cornerstone of the organization. They depend on the active participation of engaged members. They educate and bring clarity to the structural engineering community. All SEAC members benefit from the information and publications produced by the committees. Individuals benefit through direct participation in the committees building knowledge and relationships with peers.

- Improve Committee Management and Organization
 - Revise membership applications to collect committee interest and effectively share and track member interests with committee chairs.
 - Coordinate committee activities at each BOD meeting via the BOD liaison function.
 - Plan for Chairperson Transitions. Always be recruiting replacements.
 - Committee chairs should inform the BOD and the membership of their activities regularly.
 - Re-evaluate current committees, merge, modify and close inactive committees as required. Consider aligning with NCSEA committees.
 - Schedule collaboration between committees such as the snow, wind, and code advisory committees, on an annual basis.
 - Improve BMC activity and participation, improve business and project management issue programing, and use outside speakers.
- Serve Committees Using the Website
 - Provide a page on the website for each committee. Keep the committee list on the website up to date.
 - Use the newsletter to complement the website information.
- Promote Outreach/Sustainability
 - Implement “marketing” for committee participation. No invitation required for participation. Consider new committees based on regions or special interests. Try to appeal to different groups (i.e., Colorado Springs , mountains, out of state regions, etc).
 - Recruit young members and other key SEAC members to participate in committees.

Technology/Website

STRATEGIC GOALS: Leverage available technology to improve intra and extra organizational information sharing, and to promote the interests of SEAC.

Technology is ever changing and SEAC needs to be positioned to adapt and incorporate new technology to better serve the membership. Young members will look to SEAC to make use of these technologies. The SEAC website has become and will continue to be a critical component for SEAC members, it must be maintained, enhanced, and updated. The use of online webcasts should be continued and expanded.

- Website
 - Improve the website capabilities and reliability to alleviate user frustration and concerns.
 - Expand the information accessible through the website, such as archived files and old webcast meetings.
 - Move the website to a 3rd party host with backup.
 - Engage a professional consultant for website re-development and maintenance.
- Event Webcasts
 - Add Committee meetings.
 - Add Education seminars.
 - Use a moderator to ensure webcasts are interactive for all viewers.
 - Account for the associated costs in the budget and event pricing.
- See Other Headings for additional Ideas utilizing technology capabilities

Plan Management and Short Term Recommendations

The ideas contained in this strategic plan are presented as a starting place for consideration by the SEAC Board of Directors. The selected topics are deemed important to allow SEAC to adapt to the current and near-term needs of the membership and our local Structural Engineering community, while maintaining the integrity of the founding vision and mission of the organization. It is expected that each new Board will chose the issues it believes are most critical at that particular time to advance the Strategic Plan on a year-by-year basis.

Following are our recommendations for ongoing Strategic Plan management:

- Incoming Boards should review the plan at annual kick-off meetings and identify topics to incorporate into the agenda for implementation in the upcoming year.
- The BMC should review the Strategic Plan as part of its final meeting each year, possibly including past presidents, and make recommendations to the incoming Board for items to incorporate into the agenda for the next year.
- The Strategic Planning Sub-committee should re-convene on a three year interval to review and update the plan to align with the evolving challenges and practice conditions faced by SEAC.

Following are our suggested top short-term needs for consideration:

- Engage an IT/website development professional to address the technology and website issues.
- Realign committees, and confirm chairpersons for each committee.
- Redefine the roles and duties of Officers, Directors and the Executive Assistant to improve management functionality.
- Implement sustainable accounting practices.