



SEAOSC ANNUAL REPORT 2020

**Structural Engineers Association of
Southern California**

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TO OUR MEMBERS

President's Welcome

Welcome to the 2020 Annual Report for the Structural Engineers Association of Southern California. This year the Board of Directors determined that a yearly report should be initiated to provide our members a review of the year's activities, accomplishments and items remaining "On the Boards", yet to be completed. This year the report is even more appropriate given that the ongoing COVID-19 pandemic has precluded our in-person gathering for the Annual Meeting, typically held as part of our June dinner and luncheon events.

The 2019-2020 Program Year for SEAOSC has been sandwiched between several remarkable and disrupting events. Beginning with the July 4th and 5th, 2019 earthquakes in Ridgecrest and impacted by Safer-At-Home mandates and the slow climb to return to our offices; this year was also defined by the devastating death of George Floyd in Minneapolis and the recognition that we need to do more to address systemic inequality within our own profession.

While these events unfolded, the members of this association continued to advance our profession through internal and external engagement with committees and policy makers. It is our hope that the incredible work of the Association and its members is not lost amongst these global and national events. This Annual Report is one way to help make sure that does not happen.

As I am sure many Presidents have done before him, Mehran Pourzanjani, encouraged me as the incoming president to begin laying the groundwork before roles were formally transitioned. Thus, 2019-2020 SEAOSC Program Year "began" in May of 2019 with the incoming and outgoing board members meeting over a day to set strategy and affirm the Association's Mission and Vision for the future. This helped set the stage, allowing the incoming Board to begin the program year with a running start. Out of this discussion the year's theme of "**Engagement**" of our members rose to the surface.

I welcome you to review the past year and hope you will recognize the good work that has been done, but also the important tasks yet before us. SEAOSC is a true volunteer organization in which thousands of hours are invested by you, your colleagues, and peers. It is this commitment and sacrifice that I hope sparks a desire in each of you to remain or become engaged in your profession beyond the desk and construction site.

Respectfully,
Kenneth O'Dell, SE
President SEAOSC 2019-2020

Strategic Highlights

In setting the strategy for the year, the Board of Directors reaffirmed the Mission of SEAOSC while condensing its delivery. Through a review of the history of the Association and recent Board Actions over the course of the preceding 5 to 10 years a concise strategic mission was affirmed to be:

SEAOSC Mission:

The Structural Engineers Association of Southern California will empower its members and advance the Structural Engineering Profession in service to our community.

The Association fulfills this mission through:

- **Technical Resources** - The Association will develop and make available state-of-the-art technical resources that influence policy and educate engineers
- **Community Engagement** - The Association will promote the role and value of structural engineering and inspire communities to action
- **Professional Development** - The Association will provide the resources and opportunities structural engineers need to be leaders in their communities
- **Policy Advocacy** - The Association will influence and advance policy that increases the value of the built environment and the structural engineering profession

Year in Review

From a strategic perspective, this year was spent discussing ways to ensure the association had the capacity to fulfill its mission. These discussions were informed by a Strategic Framework which enabled the Board and the Committees, in conjunction with the Association's Management, to develop a collaborative structure between the different parts of the organization. Some of the key initiatives undertaken by the Board of Directors and the Committees of SEAOSC included the following:

- A Strategic Plan and Framework Refresh
- Capacity Conversations with Committees
- Committee Collaboration Structure
- Student Chapter Charter Coordination
- Sponsorship Task Force
- Membership Task Force
- Ridgecrest Earthquake Response
- COVID-19 Response & Program Pivot
- Media Messaging & Training Sessions
- Safer Cities Policy Breakfast
- Safer-At-Home Crisis Forum
- New & Existing Building Media Fact Sheets
- Safer Cities Support to Local Jurisdictions
- ICC / CalBO Joint Collaboration Event

Looking Ahead

As we look to the future, SEAOSC continues to build momentum each year toward the goal expressed in the Association's Vision Statement.

SEAOSC Vision:

The Structural Engineers Association of Southern California (SEAOSC) will be the premier organization to which local Structural Engineers belong. The organization serves its members and the Profession of Structural Engineering by fostering and promoting the contributions of structural engineers to society.

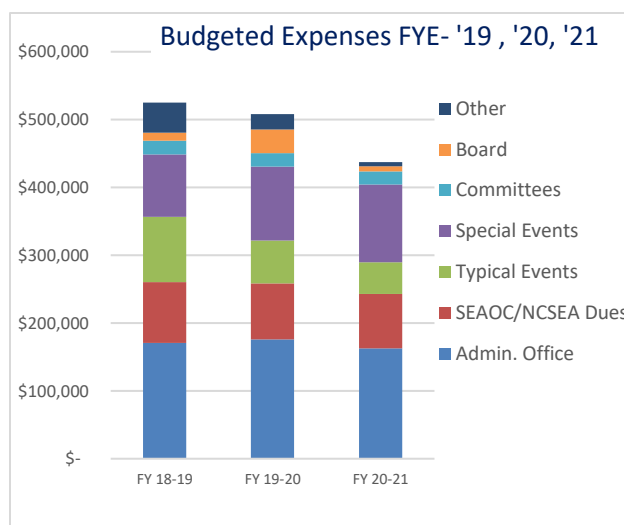
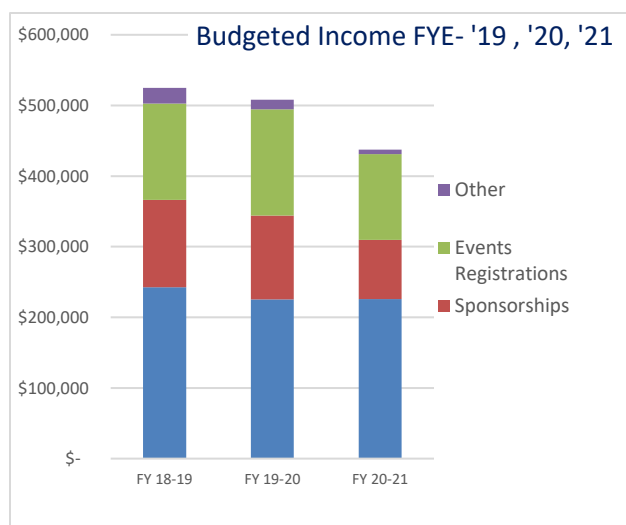
SEAOSC continues to advance our position within the communities of Southern California as we support local agencies and policy makers. This past year the association efforts helped further relationships with Los Angeles, Carpentaria, West Hollywood, regional offices of State legislators and our partners at ICC and CalBO.

Over the next year, and those to come, our efforts will continue building our capacity within the community of local structural engineers. Remote work formats have opened new platforms for communicating and providing services to our members. As SEAOSC works to use these tools, we will also seek opportunities to bring our members together to build upon the vision of providing the premier local resource for our profession within Southern California. Additionally, as the year closed with a call to action regarding necessary changes to address systemic racism and inequality within our profession, SEAOSC is committed to advancing the conversation and initiating concrete steps toward resolving these concerns. Some of the planned initiatives for the upcoming year include:

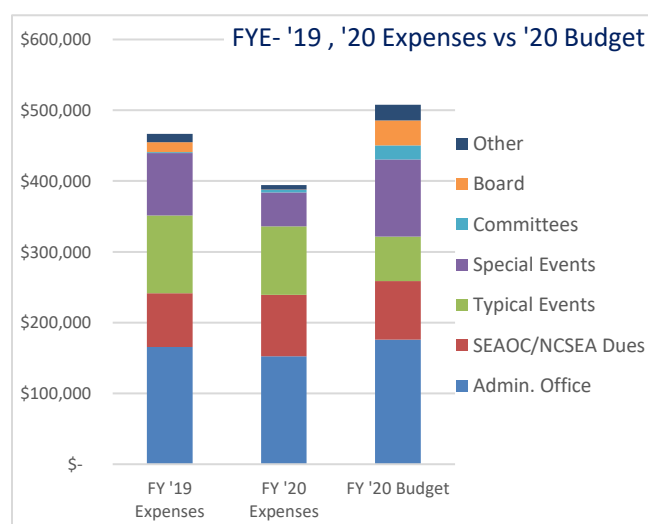
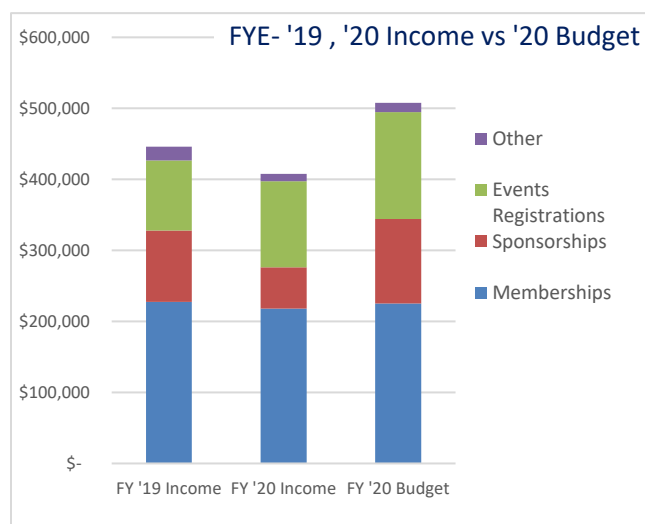
- Diversity, Equity & Inclusivity Initiative
- Advancing Women in Structural Engineering
- Communications & Website Update
- Media Engagement and Training
- Building Student Chapter Communities
- NCSEA/SEAOC Capacity Building
- Developing Financial Contingency Awareness for 2021 and Beyond
- Enhancing Sponsor & Member Value and Engagement
- Refining the SEAOSC Response Plan (V2)
- Building External Partner Communities
- Continuing to Build Support Services & Operational Capacity
- Support for the SEAOSC Foundation

Financial Highlights

A balanced budget was proposed as the year started and we were able to maintain a focus on positive cash flow, even as the third quarter of the year was disrupted by the COVID-19 Pandemic and our need to pivot to remote activities. As we closed the 2019-2020 program year and attempt to project what may occur in the next year, we are proposing a cautious budget approximately 15% smaller than the previous year. The following two charts present budgeted Income and expense expectations and goals. The 2020-2021 Program year reflects a 30% reduction on anticipated sponsorship income and a 20% reduction of income from event registrations.



The next two charts provide a quick snapshot to compare actual income and expenses to the 2019-2020 budget.



Additional information regarding the financial condition of the Association is provided further in this report. The good news is that the Association is entering this period of uncertainty with a

This past year the Board of Directors undertook an assessment of our capacity to fulfill the Association's strategic vision while serving our mission to support our members in advancing their careers. In this effort, we began the year by updating and simplifying our Vision and Mission Statement, and then spent a portion of our year speaking with our committees and other members to align expectations with the capacity to perform. During this process, the board worked to build out a framework to better support the operational needs of the association; still in process, this framework provides a road map helping us remain on a path to achieve our goals. The graphic below provides a sample of this framework.

SEAOSC Strategic Framework – V1.2 (2020-06-30)											
Exec. Director's Office / Staff Level Responsibilities Ensure support staff can complete all designated tasks <i>Metric - Incomplete or regularly postponed staff tasks</i> Ensure that support staff has enough time to complete all designated tasks (Set realistic and appropriate timeframes for completion) <i>Metric - Tasks not completed as a result of support staff not having enough time</i>											
Identify all support staff tasks that are appropriate for delegating to committees <i>Metric - Identified support staff tasks appropriate for committees</i> <i>Continue to define understanding between AM Office and Board. Refined contract basis.</i>	Delegate identified support staff tasks to appropriate committees <i>Metric - Support staff tasks delegated to committees</i> <i>Still determining best interface between AM Office and committee functions</i>										
SEAOSC Strategic Framework – V1.2 (2020-06-30) Technical Resources Develop and make available state-of-the-art technical resources that influence policy and Produce more high-quality technical resources - Metric - # of quality technical resources produced Create a Technical Resources Steering Committee comprised of all liaisons from technical committees (Purpose of this steering committee is to identify and prioritize opportunities for new technical resources and collectively support the creation of top priorities) Metric - Binary Structural Standards Committee has been formed under the Chair of the President-Elect. Committee brings together Chairs of Technical Committees and the respective Board Liaison Create research resource partnerships with academia Metric - Active partnerships Ad-Hoc Committee established to develop Research Topic List to be used for Grant Writing - Needs to be continued during 2020-2021 Program Year. Empower Henry Burton to bring colleagues to the table Metric - Recurring binary Source and prioritize opportunities for new technical resources from technical committees Metric - Recurring binary Collectively support the development of new technical resources by coordinating volunteer/committee time and resources Metric - Recurring binary Determine platform for releasing existing content: Initiated under the help of Tim Kaucher. Collection of documents has been saved to SEAOSC Server. Next step is to catalog and provide access to members											
SEAOSC Executive <table> <tr> <td>Governance</td><td>Financial</td></tr> <tr> <td>Board Committees</td><td>Weekly</td></tr> <tr> <td>Policies</td><td>Monthly</td></tr> <tr> <td>Staff: Freddy, Dianne</td><td>Staff: Linda, Dianne</td></tr> <tr> <td> Board Nominations Committee Assistance Committee Correspondence Committee Management EISE Awards Local/State Governance Meetings - In-Person & Tele People's Awards SEAOSC Foundation Governance YM Stipend </td><td> Accounts Payable Accounts Receivable Bank Deposits Bank Reconciliation Bookkeeping/Cost Accounting Budgeting/Analysis Check Processing Credit Card Processing Financial Reports SEAC Dues Reporting Tax Return Coordination </td></tr> </table>		Governance	Financial	Board Committees	Weekly	Policies	Monthly	Staff: Freddy, Dianne	Staff: Linda, Dianne	Board Nominations Committee Assistance Committee Correspondence Committee Management EISE Awards Local/State Governance Meetings - In-Person & Tele People's Awards SEAOSC Foundation Governance YM Stipend	Accounts Payable Accounts Receivable Bank Deposits Bank Reconciliation Bookkeeping/Cost Accounting Budgeting/Analysis Check Processing Credit Card Processing Financial Reports SEAC Dues Reporting Tax Return Coordination
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Association Manager's Office: Working with our Association Manager this past year has resulted in several successful events and continued refinement of the services provided by the team at Co-Pilots. As we move into the new program year, we are pleased to have extended the contract between SEAOSC and Co-Pilots, while better aligning services provided with those needed by our volunteer members. Co-Pilots will continue to support SEAOSC with the following services:

Association Management

- Board of Directors Management
- Membership Management
- Back-Office Administration
- Committee Management
- Accounting & Financial Management
- Website Management

Event & Program Management

- Sponsorship Management
- Venue/Vendor Management
- Event Registration
- Day-Of & Post-Event Management

In addition to Co-Pilots as our Association Management team, we continue to retain the services of Stratiscope. With a strategic outreach focus, the Stratiscope team works closely with the Board to develop and implement externally focused content and conversations. With the relationship initiated during the Buildings at Risk and Safer Cities Summit programs, this multi-year strategic focus resulted in several key opportunities during the 2019-2020 SEAOSC program. Stratiscope played key roles in advancing the presence of SEAOSC within the local Southern California Community by:

- Coordinating participation in press conferences & media interviews following the July 2019 Searles Valley earthquake sequence
- Engaging local legislative district office personnel for participation during the SEASOC October policy breakfast event
- Coordinating participation with the Planning Directors Association of Orange County at their 2019 Planning Official's Forum in discussions on functional recovery
- Helping prepare the existing and new building facts sheets developed by the Communications Committee in response to the October policy breakfast
- Moderating the SEAOSC/ICC/CalBO discussion in COVID-19 lessons learned for disaster preparedness
- Coordinating and moderating a Media Training and Messaging series
- Coordinating participation during the city of Carpinteria public forum on soft-story retrofit ordinances

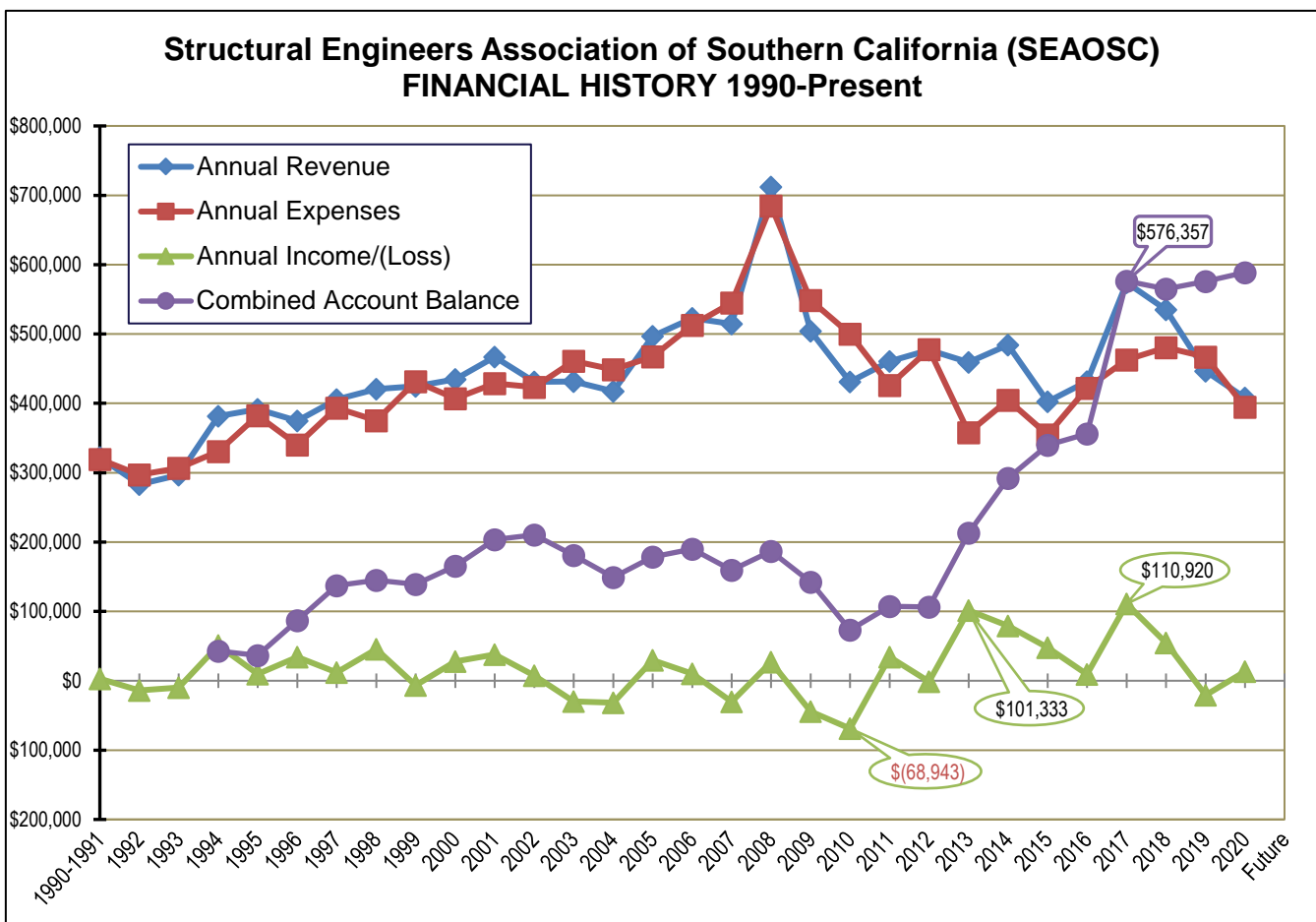
As SEAOSC moves into the next program year we anticipate continuing the Stratiscope relationship as we build additional capacity to engage the communities of Southern California in which our members serve.

FINANCIAL SUMMARY

As noted in the Financial Summary Section of this report, most of our revenue is received through collection of dues. A near second, is the amount of sponsorships received, and a close third of our revenue results from registrations for events. Our primary expenses remain the fees paid to our Association Management and Strategic Outreach Consultant.

Financial Position

As indicated in the graph below the financial position of the Association has steadily improved over the years. The purple line, representing the assets (combined accounts) of the



organization, indicates they are at a high since the early 1990's. Significant increases occurred over a period between 2013 and 2017 resulting largely from the production of the Buildings at Risk and Strengthening our Cities Summit events. The two recent, 2013 and 2017, peaks of income (green line) were from the success of the summits. Unfortunately, the variability in volunteer availability to produce the summits resulted in an unsustainable drain on organization resources, resulting in a need to investigate alternate formats. In the last few years, the

association board has strategically targeted efforts to provide member value while building capacity within the volunteer structure. Through these efforts, the Safer Cities Summits have evolved to include the Policy Breakfast in October, where regional and statewide policy makers are engaged in conversations regarding community needs that can be served by the structural engineering profession. The technical, member-focused portions of the annual summit have been restructured to provide topics for the two signature education events in the winter and spring seasons.

Annual Budget Review

The following is a snapshot of the year closing Treasurer's Report for the end on the 2019-2020 program year. The \$588,733 total asset value corresponds to the last purple dot on the preceding graph.

Assets - Cash in Bank		as of June 2020		
		Exhibit A		
Cal Bank & Trust Checking	\$	132,348.57		
CBT Money Market	\$	63,720.05		
Stripe Account - Credit Cards in Transit	\$	10,453.43		
Total Cash in Bank:	\$	206,522.05		
 Investment Balance (Initial: \$350,000):	\$	374,668.76		
Accrued Expenses (Venue Deposits)	\$	7,542.26		
 Total Assets:	\$	588,733.07		
 Investment Gain/Loss - Total	\$	24,668.76	7%	ROI
Income & Expenses - All Sources				
		Exhibit B		Exhibit C
		June 2020	YTD 2019-2020	YTD - Prior Year
Total Income	\$	4,037.23	\$ 407,926.04	\$ 456,771.23
Total Expenses	\$	9,082.81	\$ 394,527.08	\$ 469,655.24
Net Income	\$	(5,045.58)	\$ 13,398.96	\$ (12,884.01)
				\$ 26,282.97

Strategic Investment Plan

Reserves

In early 2018, the Board recognized that a substantial portion of the Associations assets sat in a low-yield money market fund. A decision was made at that time to investigate opportunities to reposition these assets into a higher yield, yet conservatively balanced investment account. As a result, the SEAOSC Investment Policy Statement was developed with the following goals:

- To ensure SEAOSC's assets are optimally allocated to maximize earnings while protecting principal asset.
- To built-up reserves towards financial security of the association in lean years.
- To build-up reserves to the extent that additional income can be generated from the reserve earnings to fund and increase additional member centric benefits such as research, scholarships, promotion of the profession, public announcement and outreach at critical times, and development of a community support program in case of a catastrophic earthquake.

The investment fund was seeded with in initial investment of \$350,000. As noted in the Treasure's Report snapshot, the balance of the investment account has grown to \$374,668 as of the close of the SEAOSC program year on June 30, 2020.

Purposeful Outlays

In conjunction with the Investment Policy Statement, which guides the investments protection of principal, a Reserve Fund Policy was established to define how the investment funds would be used as a reserve for the Association. This policy provides the guidance for the Board in allocating revenue surpluses toward the investment fund as appropriate. Within this Policy is the goal to build a Reserve Fund representing approximately one years' operating budget.

The purpose of the Reserve Fund for the Structural Engineers Association of Southern California (SEAOSC) is to help ensure the long-term ability of the organization to meet its mission. SEAOSC will maintain the reserve to achieve the following objectives:

- To create an internal line of credit to manage cash flow and maintain financial flexibility.
- To enable the organization to sustain operations through delays in payments of committed funding.
- To pay for one-time, nonrecurring expenses that will build capacity, such as staff development or research and development.

However, the Reserve Fund is not intended to replace a permanent loss of funds or eliminate an ongoing budget gap. When such an event occurs, it is understood that appropriate adjustments to the operating budgets must be made. It is the intention of SEAOSC for reserves to be used and replenished within a year.

MEMBER HIGHLIGHTS & ACTIVITIES

Committees

As with any Association which is volunteer driven such as SEAOSC, the success of the past year lies to the credit of an incredible group of volunteer committee members. Under the leadership of our committee chairs, a significant amount of work was completed to provide education content for dinner meetings and webinars that resulted from the “COVID Pivot” in March 2020. In addition to the committee work, significant strides were made this past year to bring together a more cohesive approach to committee interaction. Under the leadership of our President-Elect, the **Structural Standards Committee** continued to build connections amongst our technical committees. Additionally, this year our **Membership Engagement Committee** was initiated under leadership of our Treasurer. These two committees, chaired by the up-coming officers of the Association, were created to ensure the leadership of the Board is intimately connected to the committees and to help bridge gaps between resources. Two significant outcomes, which resulted in the 2019-2020 program year, were the integration of a Young Member and Communications Liaison within each of the technical committees. Additionally, these conversations raised the awareness of the opportunity and need to diversify the membership of our technical committees more fully.

The following provides a brief description of the goals and work of our committees:

Structural Standards Committee

Serves as the coordination committee for the technical committees:

- **Codes & Standards**
 - Participate in and enhance the development of general application codes and standards in cooperation with partner organizations within the industry (such as ICC, CalBO, ASCE, ASTM, etc.) and through specific applied research efforts. Through the applied research, contribute to the development of structural engineering technologies and the standards of application for consistent use by SEASOC members.
 - Support local Jurisdictions through the **Safer Cities Initiative**

- **Seismology & Hazards**

- Support the development of state and national codes with specific application to seismic hazards such as ground motion, fault rupture, liquefaction, tsunami, etc., and other non-seismic hazards such as wind, fire, and inundation as appropriate.
- In conjunction with the State Seismology Committee, review proposals by the BSSC PUC and ASCE 7 Hazards Committees as related to performance objectives and recommendations for code changes.
- Additionally, investigate the application of new structural systems as related to performance objectives in response to hazard mitigation.

- **New Buildings**

- Pending formation - This committee is intended to work in conjunction with the Existing Buildings Committee to distill Code and Hazards information and criteria as related to new buildings and structures. The intent is to provide SEAOSC Members with practical information and guidance for the application of Code provisions and to support jurisdictions and members in coordinating a consistent approach.

- **Existing Buildings**

- Review, develop, and share state of practice related to the evaluation and retrofit of existing buildings.
- Work in conjunction with the Seismology & Hazards and Codes & Standards committees, to address and promote appropriate investigation procedures and performance criteria as part of developing and recommending code change proposals related to existing structures.

- **Steel**

- Provide expert connections to support and coordinate between the steel industry organizations (particularly AISC, SJI, and SSMA, etc.), technology providers such as joist and connection manufacturers, and SEAOSC members regarding state of practice in steel design and specification.
- Support efforts within other committees when discussing subjects pertaining to the performance and design of steel as a structural system for both vertical and lateral load conditions.

- **Concrete**

- Provide expert connections to support and coordinate between the concrete industry organizations (particularly ACI, PCI, and PTI, etc.), technologies providers such as

materials providers and anchorage solutions, and SEAOSC members regarding state of practice in concrete design and specification.

- Support efforts within other committees when discussing subjects pertaining to the performance and design of concrete as a structural system for both vertical and lateral load conditions; including green, sustainable, and high-performance solutions.
- Provide pertinent information to SEAOSC Members by promoting concrete best practices especially pertaining to new construction process and specification, available retrofit systems, specialty technologies or products, and code changes.
- This committee was formally initiated in the spring of 2020

○ **Wood**

- Provide expert connections to support and coordinate between the wood industry organizations (particularly AWC, WoodWorks, APA, and AITC, etc.), technologies providers such as materials providers and connection solutions, and SEAOSC members regarding state of practice in wood design and specification.
- Support efforts within other committees when discussing subjects pertaining to the performance and design of wood as a structural system for both vertical and lateral load conditions.
- Provide pertinent information to SEAOSC Members by promoting wood best practices especially pertaining to new construction process and specification, available structural systems, specialty and emerging technologies or products, and code changes.
- This committee was formally initiated in the winter of 2020

○ **Disaster Emergency Services**

- Lead in the development and use of the SEAOSC Response Plan
- Coordinate Cal-OES calls for assistance during disasters to mobilize Members for disaster support and response, and initiate “lessons learned” reconnaissance.

○ **Sustainability & Resilience**

- Advocate the role of the structural engineer in the sustainable design process and the importance of incorporating sustainable design principles in practice.
- Coordinate and collaborate activities across other committees within SEAOSC regarding Sustainable Design and represent SEAOC within the sustainable design community.
- This committee was re-initiated in the spring of 2020

Membership Empowerment Committee

Serve as the coordination committee for the Membership empowerment and Community Service Committees including Membership, Young Members, Women in Structural Engineering, Education, Communications, and Legislative & Professional Practices.

- ***Membership***

- Cultivate social contacts and encourage camaraderie among members. Increase participation by providing worthwhile events and opportunities that bring value to the membership. Provide strategy, leadership, and innovation for programs for existing members and to attract new members as well as offering a forum for feedback to improve the organization.

- ***Women in Structural Engineering (WiSE)***

- WiSE facilitates mentorship and leadership opportunities to enhance professional development and provides a forum to recognize the valuable contributions women and under-represented members make in the engineering industry.
- Build and promote a positive environment to highlight and support the importance of a diverse talent base throughout the industry.
- Focused on creating opportunities that cultivate the development of structural engineers, the committee aims to raise awareness of the impact of Member contributions to the profession.

- ***Young Member***

- To provide students and young practicing professionals with an introduction and connections to SEAOSC, opportunities to advance technical, career, and networking skills, and to facilitate and encourage engagement in other SEAOSC committees and activities.

- ***Education***

- Serve SEAOSC members by providing easy access to continuing education and technical development through presentations on topics that are current, relevant, and important to the field of structural engineering. Additionally, foster and promote the contributions of structural engineers to society by providing a place for members to share knowledge and learn from each other. The education committee coordinates with other committees to bring progress reports and developing content from the committees to the members.

○ *Communications*

- Create ways for SEAOSC to improve the image of structural engineers within Southern California by promoting the structural engineering profession within the industry and to the public. Through outreach and by responding to current events, build a better understanding of the structural engineer's role and value to the project team and society.
- Provide a vehicle to communicate the work of our committees to the membership, our industry partners, and potential collaborators.

○ *Legislative & Professional Practices*

- Coordinate with the State Policy Committee to communicate actions taken or proposed statewide initiatives to SEAOSC members.

Membership Engagement

As with the past, our year began in the Southern California sun on the golf course at Friendly Hills in Whittier in **August**. Following the legacy of the Field & Fair Day, the golf tournament offers our members the opportunity to remain connected through the quiet months of the summer.



Golf Co-Chair Kevin O'Connell recognizing Longtime tournament post-Game program Emcee Rawn Nelson



Golf Co-Chairs Craig Chamberlain & Kevin O'Connell

The annual **September** General meeting and Welcome Event has also become a point of connection for our members to return from the “slow days” of summer and recharge with committee introductions as we showcase opportunities to be engaged and get connected for the coming year.



Members Sabrina Ketel & Traci Wong showcase the work of the WiSE Committee



Education Chair Bernard Cruz, SEAOSC Treasurer Kelsey Parolini and Communications Chair Maria Mohammad during the Committee Showcase

During the month of **October**, SEAOSC hosted our Safer Cities Policy Breakfast which brought invited guests from our local legislative district offices to join roundtable discussions regarding the state of preparedness in our communities and how SEAOSC can assist our legislative leaders in advancing policies that highlight the need for resilient communities with a focus on “better than life-safe” design criteria. The Communications Committee followed up on a request by the attendees to provide a set of fact sheets outlining structural performance goals for use by delegates of the local legislative offices in engaging the public.

Buildings, Building Codes, and Earthquake Safety in Southern California

NEW CONSTRUCTION

“Building Codes regulate construction to protect the health, safety and welfare of people and provide efficiency through a common set of consensus construction rules.”

Seismic Building Performance

Seismic building performance is the condition of a building during and after an earthquake and is measured considering public safety, building damage, and building repair time during or after a seismic event. Building damage can also result in fire, water damage as well as loss of business as a result of building downtime.

While the building code requires a Life Safety performance level for most building types, it is just a minimum. The building code also provides requirements for higher performance levels beyond Life Safety, if an owner chooses to do so, as is the case with hospitals, public safety facilities, and other special structures.

How is a Building Code created/updated in California?

- Building codes are created at the national level and published every 3 years, such as the International Building Code (IBC). California adopts these building codes every 3 years on recommendation and action by the Building Standards Commission (BSC).
- The BSC has a series of public hearings to adopt or make stronger what is recommended by the I-codes to create the California Building Code (CBC).
- Once adopted, the CBC is accepted or strengthened further by agencies and local jurisdictions. Code amendments or City Ordinances that go “beyond the CBC” can be adopted outside of the 3-year cycle at the local level.

LIFE SAFETY (CODE MINIMUM)

Building poses minimal risk to life during an earthquake, but may not be salvageable**

FUNCTIONAL RECOVERY

While there may be some damage, the building functions and use can be restored with minimal repair or downtime

OPERATIONAL

Building can continue to be occupied immediately after an earthquake such as a hospital, certain public safety buildings, etc.

**While there may be a cost increase for higher levels of performance, the impact to the adjacent buildings, business or service interruption, and the greater community may be more than just the cost of the building itself.

Contact SEAOSC for legislation and community action resources to build safer cities. Visit www.SEAOSC.org/SaferCities for more information.

Our **November** dinner meeting highlighted a presentation by Ben Mohr of HOK of the then recently published SEAOC Blue Book. SEAOSC Members who were not able to attend the SEAOC Annual Convention in Squaw Valley were presented with a complimentary copy that evening. The November dinner also provided an opportunity to introduce members of the recently chartered EERI-SEAOSC @ UCLA student chapter.



SEAOSC President Ken O'Dell and members of the EERI-SEAOSC @ UCLA Student Chapter, Omar Issa, Rio Sano, Abhimanyu Singh, Patrick Kimball, Keri Scholte & Siddhant Jain



Members Emily Morris, Ryan Standstrom and Director Kim Carvalho enjoying Happy Hour prior to the Blue Book Presentation

December offered the chance to once again gather for the SEAOSC Holiday Gathering, held this year in downtown LA at Morton's SteakHouse. We had the honor of being joined by Ashraf Habibullah, our hosting sponsor.



SEAOSC President Ken O'Dell and Ashraf Habibullah share "the Vest" in this composite photo.



Past President Bob Lyons, and Members Ali Shabhi, Miguel Soto, Omar Mauricio, Chris Stone and Nathan Jo share a table at the Holiday Dinner.

Our December downtown event was followed by a dinner meeting in Orange County during which David Teague of ENGEO presented information regarding new geotechnical parameters for seismic design.



Member Scott Wallace asks a question following the presentation



The OC event allowed members to share discussions around the tables without driving to Downtown LA.

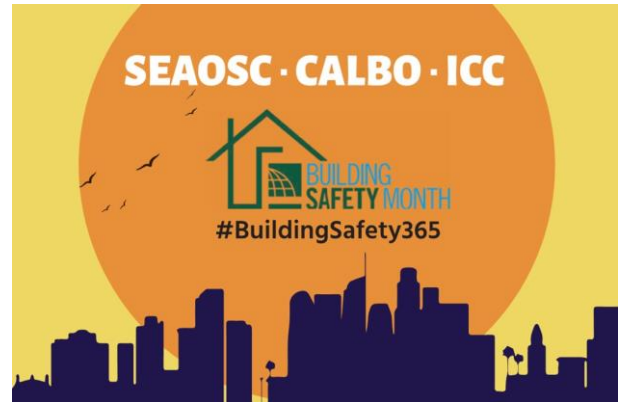
Our **January** dinner event presented lessons learned from the 2010 Haiti Earthquake on the event's 10th Anniversary. With a panel of SEAOSC Members who had responded on-site following the earthquake.

As is tradition, our **February** Dinner was focused on the next generation of structural engineers with our Career Fair and Student Scholarship Night. Presented by the SEAOSC Foundation, the Young Members Committee selected thirteen students from this year's applicants to receive scholarships. Additionally, over twenty companies participated in sharing information about their firms with aspiring engineers as they seek to begin their careers in Southern California.



Following our last-in-person dinner meeting in March, the association completed our COVID-19 pivot and converted the remainder of our program year's events to remote format using GoTo Meetings and Zoom Conferences. In these efforts our committees, particularly the Education Committee, led the way in helping the Association embrace change.

In May, SEAOSC coordinated a Building Safety Month Conversation, bringing together members of CalBO and ICC to discuss lessons learned during the collective response to COVID-19 Safer-at-Home orders; and how those lessons could help influence our own preparedness for future Earthquake response needs.



Awards & Recognition

The 2019-2020 SEAOSC year concluded with our People's Recognition Awards and Virtual Gavel handoff on June 26th. During this Celebration, SEAOSC recognized several outstanding members for their contributions to SEAOSC and the profession.

- **Personal Recognitions**

2020 Honorary Member: Martin (Marty) Hudson

2020 Public Service Award : Truong Huynh

2020 SB Barnes Research Award: Dr. John Wallace

2020 Young Engineer of the Year: Dr. Cheng Song & Michael Daciolas-Semon

2020 Engineer of the Year: Michelle Kam-Biron

2020 SEAOC College of Fellows Nominees: Ashwani Dhalwala & Robert Lyons

- **Safer Cities Awards & Excellence in Structural Engineering**

This year's Safer Cities Awards and Excellence in Structural Engineering programs were postponed due the Safer-at-Home Ordinances. With the expectation that these awards will be announced following the publishing of this report, we will look to celebrate those recognized in a future publication.

STATE & NATIONAL INTERACTION

SEAOC Recap

SEAOSC is of course one of four regional Member Organizations (MOs) that make up the Structural Engineers Association of California (SEAOC). Through the activities and oversight of



SEAOC, the profession is strengthened through statewide initiatives managed by a Board of Directors comprised of members from each of the four MOs. Under the guidance of Mr. Rafael Sabelli, SE (SEAONC), this year's SEAOC President, the state organization supported several endeavors focused on enhancing the engagement of the state legislative process as well as pivoting in response to the coronavirus pandemic.

- ***State President's Message***

SEAOC, like most of you, has had an eventful year due to developments that have affected all of society, most notably the COVID-19 pandemic. And like many of you, SEAOC has had to work simultaneously to maintain typical functions and adapt to change. As an organization, SEAOC is continuing regular services for our members and initiatives for the profession, while taking measures and preparing to preserve the organization in the face of dramatic changes (however temporary they may turn out to be).

The Professional Practices Committee finalized the Recommended Guidelines for the Practice of Structural Engineering in California. This is now available to all members and provides clear guidance specific to our regional practices and California rules.

SEAOC, through its volunteers in the Legislative Committee, has maintained its advocacy for the profession in the legislature, including moving building standards towards functional recovery as a performance goal.

Additionally, SEAOC is continuing to publish and present technical information, including the latest edition of our signature Structural Seismic Design Manuals and related webinar series, which will be offered this winter in partnership with our colleagues at NCSEA

With the advent of the pandemic, we have taken planning measures to help ensure the viability of the organization in the coming years. The board of directors, always attentive to the health of the organization, is specifically tracking areas of potential change in revenues

and expenditures in order to forestall threats to our financial wellbeing. Similarly, we are working with the regional member associations to monitor and improve membership levels.

The Professional Practices Committee has been particularly active in helping engineers navigate new constraints and considerations in their practice. This has ranged from considerations on site visits to operating under changing state and regional restrictions.

For much of our nation, this has been a year of learning about the pressing need for greater diversity and inclusion as a means to provide for freedom and equality for all. SEAOC was proud to answer NCSEA's call to action with our own working group, charged with reviewing our progress toward inclusivity and implementing the positive actions outlined in the call.

Finally, as you are reading this, you are not packing for the SEAOC convention; that event has been reworked into a virtual convention to take place in December. Our convention planning has had to shift into a new mode, with potentially many benefits for our continuing education operations in the future.

Through this eventful year and beyond, SEAOC will continue its authoritative role in the profession and its strong advocacy for its members.

NCSEA Recap

This year the National Summit for NCSEA was held in Anaheim. The summit brought together a significant number of practicing structural engineers from all market sectors to discuss ideas for best practices, not only for how individuals should approach engineering tasks, but also best practices for how Member Organizations can best support each other and through collective endeavors, benefit their members in the advancement of the profession. This past year saw Ms.



Emily M. Guglielmo, SE (SEAONC) take the mantle of President of NCSEA. She was joined on the NCSEA Board of Directors by Mr. Ryan Kersting (SEA OCC) who assumed the role as the organization's Secretary. Under their combined leadership we look forward to continued relationship building to increase the opportunities that our membership in the national organization can and will provide.

- ***NCSEA President's Message***

Covid-19 dramatically altered the landscape of the world, and the current recession threatens the structural engineering profession and our SEAs. In a 1959 speech, John F. Kennedy famously said: "When written in Chinese, the word 'crisis' is composed of two characters: one represents danger and one represents opportunity." Although it is now widely recognized Kennedy's was not the correct interpretation of the Chinese characters, his wisdom regarding a crisis presenting the choice to embrace unique opportunities rings true.

Several months into our pandemic, we have witnessed many unexpected benefits for the structural engineering profession, NCSEA, SEAs, firms, and practicing engineers. These opportunities include more rapid problem solving and innovation, new levels of cooperation and collaboration, willingness to consider systemic change, increased levels of resilience, and emergence of unexpected talent.

Over the next year, it is NCSEA's responsibility to capture and act upon the opportunities afforded by these unexpected times. NCSEA will respond through the implementation of NCSEA's Strategic Plan, empowering the leadership of the nationwide MOs, and by introducing the NCSEA Foundation. These programs will be continued, and others initiated, to help SEAOSC and SEAOC not just to survive, but to flourish in the current climate. As we take full advantage of the unexpected opportunities presented to us, let's collaboratively and boldly try new things, without fearing failure; and elevate the structural engineering profession.

SPONSOR HIGHLIGHTS

As we have attempted to express over the course of this year at the various functions, our sponsors play a key role in allowing us to bring technical and non-technical content to our membership on a regular basis. Whether it is a sponsor's table at a dinner meeting happy hour, a golf tee box at Friendly Hills, scholarships for the Student Night, or sponsoring a technical summit and beyond, these sponsors ensure SEAOSC can provide timely and relevant material as well as just helping us connect with each other.

Thank you!



Ashraf Habibullah & CSI



The Team @ Optimum Seismic



Simpson Strong-Tie



Nils Fox & Sika



Charles Kerzic & Arcosa Lightweight



Scott Holman & MiTek



Amber Zamora & Concrete West



Glen Granholm & Safe-T-Proof



Structural Technologies, Diane Love & Gaetano Bologna

CLOSING THOUGHTS

Board of Directors

The Board of Directors for the 2019-2020 SEAOSC Program Year included:

Officers:



President
Kenneth O'Dell, SE

MHP, Inc., Structural Engineers



President-Elect
Matt Barnard, SE

Degenkolb Engineers



Treasurer
Kelsey Anne Parolini, SE

SSG Structural Engineers, LLP



Immediate Past-President
Mehran Pourzanjani, SE

Saiful Bouquet

Directors:



Wayne Chang, SE

Structural Focus



Garrett Mills, SE

Taylor & Syfan
Consulting Engineers



Bryan Seamer, SE

LPA Inc.



Tim Kaucher, PE

Simpson Strong Tie



Henry Burton, PhD, SE

University of California,
Los Angeles



Kim Carvalho, SE

Brandow & Johnston



Victor Cuevas, PE

Los Angeles Department of
Building and Safety



Tom Harris, SE

California Code Check

The Association is grateful to these members of the Southern California engineering community for their dedication and leadership in ensuring the Association provides value to its members and the community it serves.

Their service embodies all that this profession and organization has come to represent in the years since the founding of the Structural Engineers Association of Southern California in 1929.

Each year it is through the efforts of the Board of Directors and the Committees that the legacy of the organization is carried forward and enriched. A legacy which reminds us that no great effort can be accomplished alone and is best achieved when building on the efforts of others.

Listed below, representing 90 Years of the **Structural Engineers Association of Southern California**, are the past-Presidents upon whose efforts the Association is firmly grounded.

Past Presidents representing 90-years of Excellence in Structural and Seismic Engineering

2019 Mehran Pourzanjani	1989 Robert S. White	1958 Joseph Sheffet
2018 Bob Lyons	1988 Donald R. Kay	1957 Reupen W. Binder
2017 Jeff Ellis	1987 Gerald D. Lehmer	1956 William T. Wheeler
2016 Michelle Kam-Biron	1986 Richard J. Phillips	1955 Henry M. Layne
2015 Kevin O'Connell	1985 John M. Coil	1954 William T. Wright
2014 Doug Thompson	1984 John A. Erickson	1953 Ben Benioff
2013 Joseph L. LaBrie	1983 John O. Robb	1952 Harold P. King
2012 Janah A. Risha	1982 Donald R. Strand	1951 Donald F. Shurgart
2011 Jeff A. Crosier	1981 Tom T. Kamei	1950 Ernest C.J. Hillman
2010 Michael L. Cochran	1980 James F. Ruthroff	1949 Harry W. Bolin
2009 Williston L. Warren IV	1979 Hans G. Steinmann	1948 Stephenson B. Barnes
2008 Fred H. Schott	1978 Ted M. Christensen	1947 Richard Ware
2007 Saif M. Hussian	1977 John A. Martin	1946 Ernst Maag
2006 Martin W. Johnson	1976 Ben L. Schmid	1945 Ellis W. Taylor
2005 Larry P. Brugger	1975 John C. Loevenguth	1944 Charles D. Wailes
2004 Richard L. Hess	1974 Donald K. Jephcott	1943 James E. Byers
2003 Daniel J. Novak	1973 Robert W. Haussler	1942 Blake Beatty
2002 Jack E. Bruce	1971 Clarkson W. Pinkham	1941 Mark M. Falk
2001 James A. Hill	1970 Walter A. Brugger	1940 Gordon C. DeSwarte
2000 Brian L. Cochran	1969 William F. Ropp	1939 John E. Shield
1999 James S. Lai	1968 Marvin J. Kudroff	1938 Fred J. Converse
1998 Manuel Morden	1967 Carl B. Johnson	1937 D. Lee Narver
1997 Melvyn Green	1966 David L. Narver Jr.	1936 Murray Erick
1996 Richard A. Ranous	1965 George W. Gray	1935 Ralph A. DeLine
1995 Lynn W. Bockemohle	1964 Cydnor M. Biddison Jr.	1934 Robert V. Labarre
1994 John G. Shipp	1963 John J. Holstein	1933 Blaine Noice
1993 James R. Johnson	1962 Albin W. Johnson	1932 Oliver G. Bowen
1992 Earl Schwartz	1961 Roy G. Johnston	1931 R.R. Martel
1991 Ronald (Rawn) F. Nelson	1960 Jack N. Sparling	1930 Mark M. Falk
1990 Walter D. Saunders	1959 Harold Omsted	1929 Paul E. Jeffers

2019-2020 President's Final Words

Over the past 12 months I have been enriched by the privilege of being the President of the Structural Engineers Association of Southern California. I have had the honor of working with incredibly passionate fellow engineers on the Board of Directors and well as those serving on our committees who desire to see our profession grow. I have had the opportunity to speak with numerous sponsors and contributors without whom the association would be a lesser version of itself. Finally, I have had the privilege of meeting and sharing ideas with students as they seek a role in helping define the future of the profession.

The future of structural engineering is ever changing, and unimaginable opportunities will push us into better designs with new materials and enhanced performance outcomes. However, this happens only when we are in the room to participate and help frame the conversation. Our committees are on the forefront of these efforts, and it is clear, we can do better and so much more when our incredibly talented members become engaged participants. I encourage you to find your place and join the conversation, engage students and young members to help create the next generation of structural engineers; you will be enriched by the relationships you build.


The Great Pandemic of 2020 will reshape our industry, both in the economic short-term and in the long-term re-structured delivery of services. We will find tools to be more productive but should not lose sight of the power of the collaborative spirit of people. Technology is fantastic but is not, in and of itself, the solution. Solutions come from people sharing ideas and reaching common goals, together, in the same room.

Unfortunately, we close this year faced with the recognition that our profession is not immune to the systemic ills faced by society. The Calls to Action advanced by NCSEA/CASE/SEI and SEAOC will prompt important conversations in our firms and communities. However, most important, the Calls require Action; requiring engagement in seeking and developing holistic solutions that put weight and meaning behind the words. This work will be done by those in the room, and this requires all of us to be in the room.

I encourage each of us to live our profession with the same excitement we had when we entered it. Regardless of the number of years it has been, we chose a noble profession, or perhaps it chose us. Even in periods of turmoil, devastation, and prosperity this has been and will remain a noble profession. A profession made better by the contribution of each individual and made stronger when those individuals join in collaboration and service.

It has been an honor and privilege to have been in your service.

Respectfully,



Kenneth D. O'Dell, SE

2020-2021 President's Vision

I am honored and humbled to be your 2020/2021 SEAOSC President. I am proud to be able to do so with such support from the SEAOSC community and with the support of my partner Ryan.

Together, we form a community with amazing volunteers who consistently go above and beyond. From our Committee Chairs and members, to our 2020 award honorees including Michelle, Bob, Ashi, Marty, John, Truong, Michael, and Cheng who have shown us what is possible for each of us to accomplish. Be inspired! I know I am by their accomplishments.

I am also excited by what is to come. We have a great Board and team of Committee Chairs ready to do big things this year. Our next two Presidents, Kelsey Anne Parolini and Patti Harburg-Petrich, are both talented and passionate Structural Engineers who are making this world, and our Association, a better place. Our next generation of Student Members such as Keri Scholte of UCLA and Quinn Porter of Cal Poly SLO are already working to elevate our collaboration; their passion and talent show that the future of our industry and organization is bright.

While we are in a good place, I am not content with how things are today. Based on what I have heard from many of you, you are not content either. The reality is that the real transformative work of our Association has just started. Where are our black engineers? Where are the female engineers in our technical committees? How do we engage our Young Members to energize our Association? These are just a few questions that highlight that we have so much to do to realize our potential for a vibrant, diverse, equitable, and inclusive profession dedicated to making our communities safer through structural and seismic engineering. Special thank you to Michelle Kam-Biron for your leadership with WiSE and to Lorena Arce for your leadership in taking on our Diversity and Inclusion challenge.

Together, let us embrace this opportunity that is today. Ask SEAOSC to do more and to be better at what we do. But join us in translating those asks into reality. Our organization needs you. Our communities need you.

A special thank you to the 2019/2020 Board led by Ken O'Dell and to all the members engaged in our Committees. You set the stage for this year to be a special year.

We will see everyone during the September 2nd Celebration and Kick-Off Event featuring the EiSE Awards and Safer Cities Awards.

Respectfully,

A handwritten signature in blue ink, appearing to read 'MB-1'.

Matthew Barnard, SE