President’s Message
by Emily Guglielmo

Welcome to the beginning of a new year for SEAONC! It is with both excitement and some trepidation that I provide the first of what will be several Presidential messages. I am deeply honored to serve you and to build upon SEAONC’s longstanding legacy. I would first like to introduce your 2020-2021 SEAONC Board: Kevin Moore, Vice President; Janiele Maffei, Past-President; Katy Briggs, Director; Joyce Feng, Director; Ben Mohr, Director; Anna Dix, Director; Susan LaFore, Director; Jonathan Buckalew, Director. I am humbled and grateful to be surrounded by such thoughtful, forward-thinking colleagues and friends.

I have been privileged to serve on your Board since 2017. Since that time, our membership and our Association has benefited from a robust economy and the use of effective, well-established strategies. However, a few months ago, that comfortable approach ended quite abruptly. The impact of the Covid pandemic and the associated recession is unmistakable and indelible. Furthermore, as particularly highlighted in the past weeks, there has been an outpouring of passion and grief as we struggle to address centuries of racial inequality.

We are at the intersection of multiple pandemics which have challenged us with the crisis of a generation. The times are troubling, unsettling, and have forced us to leave the confines of our comfort zones. However, as I suggested at our June Business Meeting, let's consider the current situation as an opportunity. With an optimistic mindset and careful strategy, we can reframe today’s circumstances and serve as tomorrow’s leaders for our profession and our community.

While taking full advantage of the strong reputation of SEAONC, your Board will

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be hardworking, proactive, nimble, and opportunistic. We are primed for implementation of strategic change and revitalization. As we consider new opportunities for SEAONC, we must do so with an eye toward improving the lives of all our citizens.

In the last several months, I have seen clear rays of hope, including rapid problem solving and innovation, increased levels of collaboration, a willingness to consider systemic change, and a newfound resilience. This willingness to change and to operate outside our comforts and norms will effectively build our Association and its community. To that end, the SEAONC Board commits to:

• revisit the 2018-2023 SEAONC strategic plan;
• prioritize initiatives through an annual implementation plan with deliverables and milestones;
• revise financial strategies for both immediate and long-term opportunities;
• reevaluate the quality of member benefits to increase member value and engagement;
• improve communication mechanisms, including our monthly newsletter and webpage, and launch a social media presence;
• commit to improving all aspects of diversity, equity, and inclusion for our Association and the profession.

As a pledge to increased transparency and accountability, I will provide monthly updates on these commitments throughout the coming year. At any time, please contact me to suggest opportunities to better support you, SEAONC, and the structural engineering profession.

Together, let us take full advantage of these unexpected opportunities. Let’s collaboratively and boldly try new approaches; let’s not fear failure; let’s elevate our profession. Thank you for your support and the privilege to contribute to the ongoing legacy of SEAONC.

2020 EISE AWARDS

Excellence in Structural Engineering Award Recipients
June 2, 2020

The 2020 SEAONC Excellence in Structural Engineering award winners were announced and honored on June 2.

A total of 10 Awards of Merit and Excellence were presented. Excellence in Engineering Co-Chairs Katy Briggs and Randy Collins described the honored projects, highlighting the significant aspects, shared jury feedback and acknowledged those who contributed to the success.

Please enjoy the display boards for the projects that were honored, at the SEAONC Website https://www.seaonc.org/page/2020EISE

Jury Panel Members

[Images of jury panel members]
AWARD OF EXCELLENCE
PROJECT OF THE YEAR

Nabih Youssef
Associates

Stanford Hospital
Structural Engineer on Record: Nabih Youssef, SE

AWARD OF EXCELLENCE
RETOFIT / ALTERATION

Simpson Gumpertz & Heger

SFO Terminal 2
Build Back and Retrofit
Structural Engineer on Record: Kevin Moore, SE
AWARD OF EXCELLENCE
RESEARCH

Applied Technology Council

FEMA P-2006 Example Application Guide For Seismic Evaluation and Retrofit of Existing Additional Commentary for ASCE/SEI 41-17

Structural Engineer on Record: Bret Lizundia, SE

AWARD OF EXCELLENCE
NEW CONSTRUCTION

Skidmore, Owings & Merrill

Moscone Center Expansion and Improvement

Structural Engineer on Record: Mark Sarkisian, SE
AWARD OF MERIT
NEW CONSTRUCTION

Nishkian Menninger
now IMEG Corpsmes
Structures

Nvidia
Phase 1 Endeavor Campus
Building

Structural Engineer on Record:
Kevin Menninger, SE

AWARD OF MERIT
NEW CONSTRUCTION

Forell/Elsesser
Engineers, Inc.

Facebook MPK21

Structural Engineer on Record: René Vignos, SE
AWARD OF MERIT
NEW CONSTRUCTION

Tipping Structural Engineers

David Blackwell Hall - Performance Based Earthquake Engineering and the P3 Model

Structural Engineer on Record: Mike J. Korolyk, SE

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AWARD OF MERIT
HISTORIC PRESERVATION

ZFA Structural Engineers

Historic Alameda High School Rehabilitation

Structural Engineer on Record: Christopher Warner, SE
AWARD OF MERIT
SPECIAL-USE STRUCTURES

Holmes Structures

HYBYCOZO Tree and Poppy Installations

Structural Engineer on Record: Erik Kneer, SE

AWARD OF MERIT
HISTORIC PRESERVATION

Holmes Structures

Yotel

Structural Engineer on Record: Dan Bech, SE
Hensolt SEAONC Legacy Committee  
Chair: Darrick B. Hom

SEAONC members, give a shout out to Darrick Hom for leading the Legacy Committee accomplishments over the past four years. Under Darrick’s leadership the SEAONC Legacy web site was created and now includes over 130 descriptions of local Structural Engineers and their contributions and leadership to our profession, Structural Engineers. The committee continues our research and development of the early SEAONC leaders and their involvement in Bay Area and international structures.

Which past SEAONC President and his firm was responsible for the construction engineering of the Richmond – San Rafael Bridge, San Mateo - Hayward Bridge, and San Diego Coronado Bridges? He provided the steel construction engineering, drawings and erection specification for a Golden Gate Bridge Towers. His harbor and marine structures engineering, in support of World War II ship building, evolved into the premier international firm designing marine terminals. His firm’s work included the 1970’s Alaska Oil Pipeline Terminal in Valdez, Alaska where very large ships berth in 100 feet water depth. In the 1960’s, his firm engineered the structure and marine construction method of the first off shore oil production platforms in Cook Inlet, Alaska. This evolved into his firm being International oil company’s preferred engineering firm to design the structure and engineer the installation of major oil and gas production platforms in oceans around the world. Be sure to visit the [SEAONC Legacy web site](#) to check out our latest additions.

Some of his structures:

- Richmond – San Rafael Bridge Construction
- Cook Inlet Platform Installation
- Thistle Field Tower Structure Tow
  - 530 feet water depth, North Sea
The SEAONC Business Forum Committee and ACEC-CA successfully co-hosted a free statewide webinar related to reopening office and operation after COVID-19. During the webinar over 110 practicing engineers tuned into the discussion to learn how employers can protect their employees and measures recommended in the workplace. The panel was moderated by Brad Diede – Executive Director of ACEC-CA and the panelists included Guillermo Tello – member of Clark Hill’s Labor & Employment practice group, Katherine Mraz – Vice President at Dealey, Renton & Associates specialized in health insurance, Mike Olson – Vice President at Dealey, Renton & Associates specialized in property casualty insurance, Jeff Brink – Vice President/Principal at DCI, Keith London – President/CEO at Kennedy Jenkins, and Jason Brabo – Principal at TLCD Architects. The panelists answered questions from the audience and also discussed best practices around the office, legal requirements, work from home expenses, office morale while working from home.

A recording of the webinar can be found at the link below.

https://youtu.be/RQbE7xoMuHw

Earlier this year the SEAONC Construction Quality Assurance Committee posted updates to two documents on the SEAONC web page. These two documents are the Guidelines for Special Inspection and Structural Observation in Accordance with the 2016 CBC and Guidelines for Reviewing Concrete Mix Designs in Accordance with the 2019 CBC. The first document includes commentary to Chapter 17 of the CBC and includes a recommended Model Statement of Special Inspections form. The second document provides guidance to the engineer on how to review concrete mix design submittals. Both documents are free of charge to SEAONC members.

The CQA Committee has also provided another in a series of FAQs in this newsletter; relating to reporting on concrete cylinder test results. The Committee is always looking for additional FAQ topics. These can be submitted to the chair James Auser at jauser@bskassociates.com. We also welcome new members to the Committee. We typically meet the third Wednesday of every month.
Introducing
Drawing Generation for ETABS

CSIXCAD is a new tool that streamlines drawing production for steel and reinforced-concrete structures by directly interacting with ETABS®. CSIXCAD maintains a complete BIM model in CAD software and can generate the following drawings and documentation:

- Floor Plans
- Elevations
- Beam and Column Schedules
- Wall Reinforcement Plans
- Wall Reinforcement Elevations
- Slab Reinforcement Plans
- Beam Reinforcement Elevations

CSIXCAD provides a direct link between the ETABS structural model and the CAD drawings. Changes to the ETABS model can be updated in CAD without losing drawing customizations. By eliminating manual data transfer, CSIXCAD increases efficiency, productivity, and cost savings.

csiamerica.com/csixcad
AGS.

**Job Position:** Structural Engineer

**Job Description:**
Founded in 1983, AGS is a multidisciplinary engineering firm providing services in geotechnical + environmental + civil + structural engineering, construction engineering and inspection, and laboratory testing. The firm, based in San Francisco with branch offices, provides a wide range of services to public agencies and private clients.

AGS seeks a full-time Structural Engineer for our growing San Francisco office. For over 30-years, AGS has held the reputation as a trustworthy engineering design partner with significant local and national projects, quality work product and a team that delivers.

**Job Requirements:**
- Licensed California PE, SE a plus.
- 10-25 Years of Work Experience.
- BS Degree (MS preferred) in Structural Engineering or related discipline.
- Experience in Structural Analysis Software.
- Excellent interpersonal and communication/presentation skills (verbal and written).
- Thinks and writes creatively and strategically.
- Responsible, committed and self-motivated.
- Team player and adaptable to changing priorities.
- Ability to stay organized, multi-task and meet deadlines under pressure.
- Highly dependable with outstanding attention to detail.

**Structure Types:**
- Public Infrastructure
- Waterfront Structures
- Retaining Walls
- Pipelines
- New Buildings and Facilities
- Wood frame residential, commercial and mixed-use
- Concrete and steel frame
- Bridges

**How to Apply / Contact**

We offer attractive compensation and benefits for fulltime employees (i.e., health, dental, life, 401K matching). Our offices are close to transit. Visit our website at www.agsinc.com for more information about us. Please send your resume by clicking “Reply to” at the top of this page. Thank you.

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**Daedalus Structural Engineering**

**Job Position:** Experienced Structural Engineer

**Job Description:**
At Daedalus we believe that the structure provides an opportunity to expand and help shape the finished architecture and building envelope, and we constantly stretch the boundaries of engineering to help our clients develop new, creative ways to achieve their project goals. We are fortunate to work with many of the Bay Area's top architectural firms focusing on a broad mix of project types including high end custom residential, education, civic, commercial, and institutional projects. We have special expertise in earth retention/shoring systems, and more recently we have been working on a number of mass timber projects here in the Bay Area. Beyond the general scope of engineering work we also offer 3D printing of complicated structures/connections to our clients, and we are currently developing a proprietary framing system. Our project locations range from Northern to Southern California, to Napa Valley and Hawaii.

We are currently seeking an experienced Structural Engineer to join our dynamic team in Saratoga, CA.

**Benefits:**
- Bachelors/Masters Degree in Civil/Structural Engineering
JOB FORUM

- California P.E. license required, S.E license preferred
- 5+ years of structural design experience
- Desire for continuous learning, personal development, and growth
- Interest in architecture and collaborative design
- Design experience with steel, concrete, and wood structures
- Excellent organization skills
- Experience managing projects and interacting with design team, contractors, and clients
- Excellent client interaction and general written and verbal communication skills.
- Leadership skills in mentoring young engineers, motivating staff, and working well in a team-based environment
- Working knowledge of AutoCAD and Revit is highly desired

How to Apply / Contact
Daedalus is an equal opportunity employer. In addition to a highly competitive salary and a full benefits package, other perks include an additional week off during the holidays, a profit-sharing plan, flex time, dual computer screens, adjustable standing desks, and a membership at the local YMCA.

Please submit your cover letter and resume in PDF format only to employment1@daedalus-eng.com.

FTF Engineering

Job Position: Structural Engineer - 0 - 7 years of Experience and Engineering Intern

Job Description:
Looking for a career with a rapidly growing, entrepreneurial firm committed to engineering excellence and finding smart solutions to a client’s mission and business objectives?

FTF Engineering is a successful, rising structural and civil engineering firm with an upbeat, proactive, staff-oriented culture. Our clients include award-winning architects and respected organizations across California. We specialize in unique and challenging projects including high-end, single family houses and multifamily residential work, commercial and institutional projects, tenant improvements, seismic evaluation and retrofits and construction means-and-methods. Our offices are located in San Francisco and San Luis Obispo.

We are a multigenerational team that is much more culturally and gender-diverse than our peers. We respect one another and enjoy many activities together: cycling events with the A/E/C community, a variety of team-building activities and project tours. Giving back to the greater community — both collectively and individually — is also a priority for FTF, and we support one another and participate in ranging charity efforts.

Our team members are empowered to be leaders in our profession. FTF actively promotes the professional development of our staff by subsidizing licensing exams, memberships to professional organizations, seminars, classes, and other activities that further staff education in the field of structural engineering.

We are looking for Structural Engineers with 0-7 years of experience and Interns in either our San Francisco office or San Luis Obispo office.

FTF Engineering is a dynamic company for talented, forward-thinking engineers who take responsibility and thrive in a creative and collaborative team environment. Successful candidates are motivated to work directly with our clients, find creative solutions that respond to the needs of both the building and its owners, and contribute to advancing our profession.

Additionally, the ideal individual values a progressive culture that supports involvement in both professional activities and independent, outside works that better our greater community. In short, you should help make our company an exemplary place to work, learn and thrive.

Job Requirements:
• Design experience with wood, steel and concrete with a strong analytical background.
• Flexible in assigned tasks, works diligently to make deadlines, able to work independently; enthusiastic about working to take projects to the “next level”
• MS in Civil or Structural Engineering
• 0-7 years of experience
• PE License (preferred) or SE License (a plus)
• Proficient AutoCAD Drafting Skills (REVIT skills highly desirable but not necessary)
• Other Desired Computer Skills: REVIT, RISA-3D, SAP2000, ETABS, RAM Structural, Enercalc, Excel

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**Job Position:** REVIT Specialist/CAD Manager with 2+ years of experience

**Job Description:**
We are looking for a Revit Specialist/CAD Manager with 2+ years of experience in our San Luis Obispo or San Francisco offices.

FTF Engineering is a successful, growing structural engineering firm with two offices in California, specializing in challenging projects in the commercial, industrial, public and residential sectors throughout the Central Coast and Bay Area.

Our office environment is open, communicative, team-oriented, fast-paced, high energy, flexible, and fun. We all work on multiple projects, and we strive to be an exceptional provider of engineering and innovation.

We are looking for a fulltime REVIT specialist to work out of our San Luis Obispo location and help continue to develop our in-house REVIT standards and processes while managing our CAD drafting staff.

**Responsibilities:**
• REVIT drafting/ modeling – 50% to 80%
• AutoCAD drafting – 10% to 40%
• In office management of AutoCAD and REVIT work load – 10%
• Learn and apply office standards of design, quality control, and production
• Produce accurate work as a part of a project team
• Mentor less experienced staff from both offices in REVIT or AutoCAD
• Maintain and expand REVIT and CAD detail library

**Job Requirements:**
• Associates degree or certificate of completion in computer aided drafting program
• 2+ years of drafting/ modeling experience with REVIT and AutoCAD software
• Experience creating and modifying Revit families
• Experience creating and editing PDF Files using Bluebeam
• Create clear and accurate drawings that conform to engineering and FTF Standards
• Excellent time management skills and multi-tasking capabilities
• Detail oriented and very organized
• Be extremely service oriented and highly approachable with commitment to helping others
• Have a positive & professional attitude and demeanor

FTF Engineering offers a competitive salary and excellent benefits package which includes medical, dental, vision, 401 (k) plan and profit sharing.

**How to Apply/Contact**
To apply for these positions, submit cover letter and resume to resumes@ftfengineering.com. Provide references and work samples upon request. No phone calls, please.
KPFF CONSULTING ENGINEERS - SF

**Job Position:** Structural Engineers - All Levels

**Job Description:**
KPFF San Francisco is seeking Structural Engineers of all levels with experience in both new construction and renovation building design. Our ideal candidate is ambitious and entrepreneurial and is interested in developing and maintaining a stable client base, as well as, excellent working relationships with developers, architects and general contractors.

KPFF civil and structural engineers are driven by a commitment to our core values of Excellence, Trust, Relationships, Stability, and Passion. We provide creative, practical solutions for projects of all kinds, scales and industries. Our culture focuses our energy and our passion on our clients, our projects, and our people. Firm wide KPFF has been in business since 1960, growing from a single office in Seattle to become a nationally recognized firm with more than a 1,200 team members and 20 offices across the United States.

We collaborate with our clients utilizing the advantages of VDC with BIM tools as a way of visualizing, coordinating and tracking systems. Our office employs Lean Design and Construction tools and participates in a variety of project delivery methods in order to further integrate design and construction.

At KPFF, you control your destiny – the work you put in equates directly to your success and compensation. Careers at KPFF are driven by individual accomplishments and successful projects. That means your dedication, attitude and talent drives your professional growth. We work in dynamic teams with open communication and strong mentorship from senior-level staff. KPFF encourages innovation and continuous quality improvement in our work unencumbered by bureaucratic behavior. Professional development and on the job training is an everyday event as is your direct interaction with owners, architect and contractors.

Our supportive and fun work environment allows for flexibility for families and encourages work/life balance. We offer generous benefits, a competitive salary and pay you for every hour you work.

KPFF is an Equal Opportunity Employer

**How to Apply / Contact**
To submit an application, please visit our website at: [www.kpff.com/careers](http://www.kpff.com/careers)

Learn more about KPFF Consulting Engineers by visiting our [www.kpff.com](http://www.kpff.com) and our Facebook page: [www.facebook.com/KPFF.SanFrancisco](http://www.facebook.com/KPFF.SanFrancisco).

KPW Structural Engineers, Inc.

**Job Position:** Project Engineer

**Job Description:**
KPW Structural Engineers is a leading Bay Area structural engineering firm located in Oakland's Jack London Square. KPW specializes in the Life Sciences, Tech, Civic, Education, Mixed-Use, and Healthcare market sectors. We are a group of 30+ vibrant and outgoing individuals, and we're looking to add to our team. We offer a relaxing and engaging work environment, challenging projects, supportive mentorship, and emphasize work/life balance.

We are currently looking for well-rounded and collaborative structural engineers with 2-7 years of experience to join our team. The ideal candidate is someone who is looking to be challenged technically, able to manage all phases of a project, work independently and in groups, embrace technology and apply it to their work, and are enthusiastic about their professional growth.

**Job Requirements:**
BS degree in Civil Engineering with completion of relevant coursework in Structural Engineering

Registration as a Civil Engineer in the State of California

Experience with Steel, Concrete, and Wood-framed design

Desired:

MS degree in Civil Engineering with an emphasis in Structural Engineering

Three years of engineering experience in the structural engineering field

Experience with Building Information Modeling

Essential Functions:

Responsible for the production of engineering documents such as reports, calculations, and drawings that are complete and technically accurate

Supervises and mentors Staff Engineers and CAD staff

Responsible for handling interactions with the client regarding technical design issues, coordination of document preparation, and submittal schedules

Responsible for tracking KPW project costs, meeting contractual obligations within the stated terms with an emphasis on efficiency

How to Apply / Contact
To apply please visit https://www.kpwse.com/careers. We look forward to learning more about you.

Strandberg Engineering

Job Position: Structural Engineer

Job Description:
We are currently seeking Project Engineers and Staff Engineers. Strandberg Engineering is a lively structural engineering firm located in San Francisco. We have a love for beautiful architecture and great design, and want our work (whether visible or not) to have the same standards. Our work includes the design, analysis, and preparation of construction documents for residential, commercial, and mixed-use buildings. We work with a diverse set of architects, contractors, and building professionals from design through construction.

Learn more: www.strandbergeng.com

Staff Engineer
Project technical support with close supervision (including structural design and analysis, computer modeling, calculations, drafting, drawings coordination, construction administration or field support).

Project Engineer
Licensed Professional Civil or Structural Engineer in California. Project design and coordination with some autonomy. Structural design and analysis, drawing development, construction administration or field support, close interaction with the design and construction teams.

Desired Qualifications:

Knowledge of mechanics of materials, timber, reinforced concrete, and steel design

Experience in AutoCAD, RISA, and Revit

Experience in SAFE, ETABS, and Enercalc

Benefits:

Competitive salary

Paid holidays and Paid Time Off

Matching 401k and Profit Sharing

Health Insurance

Wellness program (reimbursement for wellness expenses)

Semi-flexible hours

Year-end bonus

Paid Professional Development (including professional dues and professional licensing exams)

How to Apply / Contact
Please email a cover letter and resume to: hiring@strandbergeng.com