PRESIDENT’S MESSAGE

“I have never thought of myself as an architect. By education and by choice, I am an engineer. However, I see no separation between an architect and an engineer. We have a common area of responsibility, we both strive for the same results – that is: a structure with strength, utility, and grace, constructed in sincere collaboration from concept to final realization.”

I happened upon this quote from the famous Italian architect/engineer Pier Luigi Nervi when I was a student at Cal Poly SLO. I wrote it down on a piece of scratch paper and pinned it to my bulletin board, where it remains to this day. I went to Cal Poly originally as an Architecture major. When I was a child, I had big dreams of designing baseball stadiums, movie studios, and the first station on the moon. I wanted to create things. Even though I excelled in math, science, and drafting, I didn’t want to be an engineer because I thought they were too regimented, dull, and not at all creative. I swore that I would never wear a pocket protector.

During my freshman year at Cal Poly, I discovered that it was more important for architects to excel in graphic arts than in math and science. I also discovered that I was a lousy artist. I realized after that year that I could either be a C level architect or an A level engineer, so I decided to change to an engineering major. I chose Architectural Engineering because it was the easiest engineering major to transfer to from Architecture since the curriculums were similar and they were in the same college.

I graduated with a degree in Architectural Engineering, but when I did I didn’t really want to be a structural engineer. I still wanted to be an architect, or at least something in a creative field. I did not share the same enthusiasm for structures and buildings that many of my classmates had, and unlike most of them I did not have a job lined up yet when I graduated. I really did not know if I would be able or willing to last in this profession beyond a few years or so.

...continued on p. 2

HOW TO GET INVOLVED

Become a member: Select the appropriate membership level for you and complete the application.
Monthly meetings: Meet and mingle with fellow engineers. Register through the link in this month’s newsletter.
Join a committee: Click here to see a description of each committee, contact the committee chair to ask how you can help, and how to join the committee email list.
Make a suggestion: Have an idea and want to help with something that SEAONC is not already pursuing? Email the SEAONC Office. Ad-hoc committees can address specific needs.
Become a sponsor: Support SEAONC and showcase your company’s services at the SEAONC events through sponsorship.

Posting for Membership: In order to view new applicants posting for membership, please visit our website www.seaonc.org.
Continued from p. 1

At numerous times in my career as a structural engineer, especially in the first few years, I have wondered about my career choice. At times I struggled to find my voice and confidence. I was frustrated at times with the lack of opportunities to express my creative energy. Perhaps these struggles have contributed to my somewhat unconventional engineering career. I’ve worked for four different structural engineering firms. At each firm, I started there thinking that this would be the place I would work for the rest of my career and become a principal, and at each place that did not happen for one reason or another. Now I work at a research laboratory designing anchorages of equipment and plan checking construction documents prepared by others, things that I never thought I would ever do for a living. I also never thought I would work at a place where I can never be a principal and will never get the opportunity to design that moon base. Perhaps most surprising of all, I am fine with this. I now believe that structural engineering was the right career for me, and I have found ways to be creative with structural concepts to design structures with strength, utility, and grace.

I am amazed at the many different career paths several of my colleagues and friends have taken. Apparently I am not the only one who has not followed the track to firm principal that most of us envisioned taking when we graduated from college. I know a structural engineer who designs art structures, another who designs retrofits of homes in third world countries, and another who manages a multi-million dollar real estate portfolio. One of my college classmates is an associate dean of engineering research for a large university. Another founded a technology firm. At the same time, two other classmates are principals at the firms that they started working at right out of school.

I believe there is room in our profession and in SEAONC for structural engineers who are pursing unconventional careers. Not all of us need to know how to do a non-linear time history analysis. Indeed, it is better for our profession when we have colleagues who are pursuing a wide variety of interesting careers and are able to share their ideas and dreams with all of us, especially to students who are about to graduate into our profession and may be wondering about their career choice as I was all those years ago.

I can also say to those students that I have never worn a pocket protector…

### Upcoming Events

**2019 Excellence in Structural Engineering Award Ceremony**
- Tuesday, May 7, 2019
- Registration // Hosted Happy Hour // Live Music: 5:00 pm
- Awards Ceremony: 6:30 pm
- Sir Francis Drake Hotel // 450 Powell Street, San Francisco, CA 94102

**2019 SE3 Symposium A Changing Workplace: How to Engage, Retain and Secure the Future of our Profession**
- Friday, May 10, 2019
- Registration: 12:30 pm
- Symposium Program: 1:00 pm - 5:00 pm
- Networking Event: 5:00 pm - 7:30 pm
- SPUR SF // 654 Mission Street, San Francisco, CA 94105

**2019 SEAONC Short Course: Full Day Welding Seminar**
- Wednesday, May 15, 2019
- Registration // Breakfast Refreshments: 8:00 am
- Course: 8:30 am - 4:30 pm
- DPR Construction Office // 945 Front Street, San Francisco, CA 94111

**California SAP Evaluator Training**
- Saturday, May 18, 2019
- Registration: 8:00 am - 9:00 am
- Seminar: 9:00 am - 5:00 pm
- San Francisco State University // Seven Hills Conference Center // 1600 Holloway Ave, San Francisco, CA 94132

**SEAONC Business Forum & ACEC Present: The Ins and Outs of California SB 496**
- Tuesday, May 21, 2019
- Program: 9:30 am - 11:00 am
- Degenkolb Engineers // 375 Beale Street, Suite #500, San Francisco, CA 94105

[Click here to view our Events Calendar and to register.]
Join us at the iconic Sir Francis Drake Hotel to toast to all structural engineering accomplishments of the past year, and celebrate the winners of the 2019 Excellence in Structural Engineering Awards! The submittals this year were of great quality, and we look forward to revealing the projects that the jury identified to best reflect outstanding achievements in creative design and technical innovation. The festivities include live music, a hosted bar and many hors d’oeuvres from 5 - 6:30 PM prior to the ceremony. Come celebrate our profession with your peers.

Please invite your clients and project team members to acknowledge these successes of the structural engineering profession with you, and showcase the great services we can provide.

**2019 Excellence in Structural Engineering Award Ceremony**

**Date:** Tuesday, May 7th, 2019  
**Registration // Hosted Happy Hour // Live Music:** 5:00 pm  
**Awards Ceremony:** 6:30 pm  
**Location:** Sir Francis Drake Hotel  
450 Powell Street  
San Francisco, CA 94102

Join us at the iconic Sir Francis Drake Hotel to toast to all structural engineering accomplishments of the past year, and celebrate the winners of the 2019 Excellence in Structural Engineering Awards! The submittals this year were of great quality, and we look forward to revealing the projects that the jury identified to best reflect outstanding achievements in creative design and technical innovation. The festivities include live music, a hosted bar and many hors d’oeuvres from 5 - 6:30 PM prior to the ceremony. Come celebrate our profession with your peers.

Please invite your clients and project team members to acknowledge these successes of the structural engineering profession with you, and showcase the great services we can provide.

**2019 SE3 Symposium**  
**A Changing Workplace:** How to Engage, Retain and Secure the Future of our Profession

**Date:** Friday, May 10, 2019  
**Registration:** 12:30 pm  
**Symposium Program:** 1:00 pm - 5:00 pm  
**Networking Event:** 5:00 pm - 7:30 pm  
**Location:** SPUR SF  
654 Mission Street  
San Francisco, CA 94105

**Schedule Overview:**  
12:30 PM Registration  
1:00 PM Opening Remarks  
1:10 PM Keynote Address  
1:45 PM Session A | 2018 NCSEA SE3 Survey Results  
2:15 PM Session B** | Breakout Sessions & Workshops | Storytelling Breakout Session  
  B1: Building our Culture  
  B2: Buttressing our Foundations and Values  
  B3: Stressing the Importance of Diversity and Inclusion in the Workplace  
3:10 PM Coffee & Dessert Break  
3:30 PM Session C | Securing Today’s Talent with Strategic Direction and Conscious Leadership  
4:50 PM Closing Remarks  
5:00 PM Networking Social  
7:30 PM Close

**The SEAO NC Structural Engineering Engagement and Equity (SE3) Committee is hosting its second symposium entitled “A Changing Workplace.” We will be discussing the Psychology of Retention, the 2018 SE3 Survey results, and interacting with Thought Leaders and industry professionals on creating and reinforcing firm culture and values. Please join us on May 10, 2019!**
UPCOMING EVENTS

Continued from p. 3

For more information about the program, speakers, and Thought Leaders, please visit the event website [here](#).

<table>
<thead>
<tr>
<th>PRICING</th>
<th>Regular May 1 - 9</th>
<th>Same Day/At the Door May 10th</th>
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<tr>
<td>SEAONC Member Daytime Event + Networking Social</td>
<td>$100.00</td>
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<td>Networking Social ONLY 5:30 - 7:00 PM</td>
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*Online registration will close on May 9.
**All students should contact office@seaonc.org to receive student pricing.

2019 SEAONC Short Course: Full Day Welding Seminar

**Date:** Wednesday, May 15, 2019

**Registration // Breakfast Refreshments:** 8:00 am

**Course:** 8:30 am - 4:30 pm

**Location:** DPR Construction Office

945 Front Street
San Francisco, CA94015

See seminar curriculum and schedule on pg 5!

**SPEAKER BIO:**

Duane K. Miller, ScD, PE, is a recognized authority on the design of welded connections. He is in demand as a speaker on the subject all over the world and has lectured in Asia, Africa, Europe, Australia, as well as across North America. In 2005, he received AISC’s Lifetime Achievement Award. He has authored and co-authored chapters of many texts, including the AISC Design Guide on Welding and the Mark’s Handbook of Engineering, 10th Edition. Dr. Miller earned a B.S. degree in Welding Engineering from LeTourneau University in Longview, Texas, an M.S. in Materials Engineering from the University of Wisconsin - Milwaukee, and was awarded an honorary Doctor of Science degree from LeTourneau University in 1997.

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**Please email office@seaonc.org if you would like to register & pay by check**

PDH will be awarded to attendees. Due to PDH being awarded, individual registration is required for this event. If you would like to register multiple people please contact office@seaonc.org for assistance.
Seminar Curriculum

1. **Overview of Welded Connections**
   a. Weld joints
   b. Weld types
   c. Codes and standards
   d. Weld details (backing, tabs, access holes, etc.)
   e. Fillet weld details (min. size, max. size, directional increase)
   f. CJP groove weld details

2. **Welding Procedure Specifications**
   a. Definitions, purposes
   b. Prequalified WPSs
   c. Qualified WPSs
   d. The big six (process, steel, filler metal, preheat, joint details, production variables)
   e. Reviewing WPSs
   f. Code compliant vs useful WPSs

3. **Seismic Welding Issues**
   a. AWS D1.1 overview
   b. Engineer Responsibilities
   c. Demand Critical Welds
   d. Heat Input Envelope Testing
   e. Details associated with prequalified connections

4. **Welding Problems and Field Fixes**
   a. Out-of-tolerance joints
   b. Repairs to welds
   c. Repairs to base metals
   d. Repair of mislocated holes
   e. Fixing members that are cut too short
   f. Fixing short anchor rods in the field

**Schedule**

<table>
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<th>Time</th>
<th>Event</th>
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<tr>
<td>8:00 AM (30 mins)</td>
<td>Registration / Check-In (Light breakfast provided)</td>
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<tr>
<td>8:30 AM (90 mins, 5-10 min Q&amp;A)</td>
<td>Part 1 - Overview of Welded Connections</td>
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<td>Break</td>
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<td>10:30 AM (90 mins, 5-10 min Q&amp;A)</td>
<td>Part 2 - Welding Procedure Specifications</td>
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<td>12:00 PM (60 min)</td>
<td>Lunch (provided)</td>
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<tr>
<td>1:00 PM (90 min, 5-10 min Q&amp;A)</td>
<td>Part 3 - Seismic Welding Issues</td>
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<tr>
<td></td>
<td>Break</td>
</tr>
<tr>
<td>3:00 PM (90 min 5-10 min Q&amp;A)</td>
<td>Part 4 - Welding Problems and Field Fixes</td>
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<tr>
<td>4:30 PM</td>
<td>End of Seminar</td>
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Breakfast, lunch & an afternoon snack will be served during registration and break.

The Safety Assessment Program (SAP) utilizes mutual aid resources and volunteers in the form of professional engineers, architects, and certified building inspectors to assist local governments by doing post disaster building evaluations. The program is managed by the California Governor’s Office of Emergency Services (CalOES) with cooperation from professional organizations, including SEAONC. CalOES will issue Disaster Service Worker (DSW) ID cards to all professionally licensed volunteers who have completed the training. Those who are not yet licensed will just receive a certificate and may contact CalOES upon licensure to receive the DSW ID card.

The purpose of the CalOES Safety Assessment Program (SAP) is to help local government perform post earthquake, wind, flood, and blast safety evaluations as quickly as possible. The post-earthquake evaluation is based on the ATC-20 document developed in 1987. SEAONC’s Disaster Emergency Services Committee has sponsored trainings on a regular basis (typically every other year) since then. The training program has evolved and improved over time and currently enjoys a reputation for excellence. Past participants have commented especially on the value of the afternoon case studies, which are led by SEAONC members with post-earthquake safety evaluation experience.

Attendees who are licensed professionals (Civil, Structural, or Geotechnical Engineers; Architects; Geologists; Certified Building Inspectors) may apply for and obtain Disaster Service Worker identification cards issued by the CalOES. Attendees receive a workshop proceedings binder and ATC-20 documents.

### PRICING

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Beginning in January 2018, new California contracts will fall under the amended California Civil Code Section 2782.8 as a result of the SB 496 legislation enacted in 2017. This joint program of ACEC CA Bay Bridge and SEAONC features insurance and risk specialists to help identify strategies for your firm. This joint program of ACEC CA Bay Bridge and SEAONC Business Forum features insurance and risk specialists to help identify strategies for your firm.

REGISTRATION AVAILABLE THROUGH ACEC HERE

SPEAKERS:

Brett Stewart, J.D., Risk Manager, AXA XL Design Professional. He is responsible for developing risk management and education materials for AXA XL's architect and engineer insureds with the goals of minimizing the frequency and severity of loss exposures, while focusing on increasing best practices. Brett interfaces directly with brokers and other valued business partners, the public and various trade organizations in an effort to promote issues that are relevant to the design community. Prior to his role as Risk Manager, he was a Senior Claims Specialist handling design professional claims for seven years. He is a licensed California attorney and was a litigator at two San Francisco law firms for eight years.

Mike Olson, Vice President, Dealey, Renton & Associates, Design Professional Practice Group. Mike's role at Dealey Renton is the client executive for many of the company's key client relationships. In addition to insurance placement and consulting, Mike spends his time involved in industry issues related to insurance and risk management. He is a member of the ACEC National Risk Management Committee and prior to assisting ACEC California's legislative efforts on Senate Bill 496 worked with ACEC Washington in 2012 on legislation limiting the defense obligation of design professionals in the State of Washington. Mike is a native of Portland, Oregon and currently resides in Orinda, California.

D. Creighton Sebra, J.D., Clark Hill, PLC. D. Creighton Sebra has extensive litigation experience in the representation of clients in federal and state trial courts. Creighton worked for both a civil engineering contractor and a general building contractor as a project manager as well as a project estimator. This experience within the construction industry, combined with his experience litigating breach of contract matters and construction disputes, allows Creighton to provide invaluable service and expertise in the representation of his clients.
PEER UPDATES & LINKS

PEER Research Project Highlight: “City-scale Multi-infrastructure Network Resilience Simulation Tool”
The impact of a PEER funded research project, “City-scale Multi-infrastructure Network Resilience Simulation Tool” is highlighted. The project Principal Investigator (PI) is Kenichi Soga, Professor, UC Berkeley. The ultimate aim of this project is to provide tools that enable city-scale resilience planning for infrastructure planners in the Bay Area.

PEER Research Project Highlight: “Analysis of Fine-Grained Soil Failure in Chiba During 2011 Tohoku Earthquake, and Development of Community Lab Test Database”
The impact of a PEER funded research project, “Analysis of Fine-Grained Soil Failure in Chiba During 2011 Tohoku Earthquake, and Development of Community Lab Test Database” is highlighted. The project Principal Investigators (PI) are Scott J. Brandenberg, Professor and Associate Dean, Department of Civil and Environmental Engineering, UCLA, and Jonathan P. Stewart, Professor, Department of Civil and Environmental Engineering, UCLA. Mihama Ward case history is very valuable and will shed light on liquefaction susceptibility and triggering evaluation procedures for fine-grained soils. Additionally, the proposed database will be a very useful resource for practitioners.

PEER Report 2019/01 - Flow-Failure Case History of the Las Palmas, Chile, Tailings Dam
R.E.S. Moss, T. R. Gebhart, D.J. Frost, C. Ledezma. This report documents the flow failure of the Las Palmas tailings dam that was induced by the 27 February 2010 Maule Chile M6.8 earthquake. The Las Palmas site is located in Central Chile in Region VII near the town of Talca. Construction of the Tailings Dam occurred between 1998 as part of a gold mining operation and was no longer in active use.

Help PEER Digitize Thousands of Rare Images
In 2018, the NISEE-PEER Earthquake Engineering Library received a generous donation of several thousand earthquake images in slide format from two world-renowned pioneers in the field of earthquake engineering, UC Berkeley Emeritus Professors, Vitelmo Bertero and Stephen Mahin. PEER would like to digitize these historic images and documents and make them accessible to the earthquake engineering community and the public by adding them to the NISEE-PEER Online Archive.

2019 PEER Annual Meeting Highlight Video
This short video summarizes the overarching themes of the 2019 PEER Annual Meeting, “Seismic Resilience 25 Years after Northridge: Accomplishments & Challenges”, which featured the role of multi-disciplinary performance-based engineering with seismic and related natural hazards to achieve community resiliency. This video encapsulates a summary of the topics discussed during the two-day meeting which focused on the impacts caused by the Northridge earthquake in 1994, as well as commentary from notable experts. Many thanks to the California Earthquake Authority for producing this video.

UPCOMING EVENTS

The Structural Engineers Association of Arizona would like to invite the SEAOnc membership to our 53rd Anniversary SEAoA Convention and Conference in Scottsdale, Arizona from June 13th-15th.

This year’s keynote presentation will be “Two Towers, One Structure” by Mr. Patrick Ragan, S.E. of WSP. Please see the flyer below for a complete list of all our speakers and presentations.

We would like to offer our member registration rate to SEAONC members as well. When registering online please select the NCSEA category and use the coupon code:

- NCSEA-SEAOA-2019
- Member Registration Rates: $315
- ($365 for Non-Members)

Thursday morning sessions are also included (with lunch provided) in your registration for a total of 13.25 PDH credits offered for the 2019 Convention.

This year we are proud to be celebrating the 53rd Anniversary of our Association with a Main Event Dinner & Gala Friday evening that is included in your registration thanks to generous sponsorship by Ashraf Habibullah and Computers and Structures, Inc.

For more information and registration click the link below and see the following flyers:
http://www.seaoa.org/event-3221089
Thank you to our annual PLATINUM sponsor Computers & Structures, Inc!

STRUCTURAL ENGINEERS ASSOCIATION OF ARIZONA
53RD ANNUAL CONVENTION 2019
PROUDLY SPONSORED BY COMPUTERS & STRUCTURES, INC.

A CELEBRATION OF STRUCTURAL ENGINEERING WITH ASHRAF
DoubleTree by Hilton Paradise Valley - Scottsdale, Arizona - Friday June 14, 2019

Talk by Ashraf (3:30 pm)
"Structural Engineering is Indispensable to Civilization. So Why Don't We Make More Money?"

Our profession is a gift to humanity. In light of this, our educational institutions should not suffer from lack of funding, our students should not be buckling under the load of student loans, and our professional associations should not be short on cash to fund their activities. Without this profession, there would be no economic infrastructure and all progress of humanity would come to a screeching halt. So, why don’t we make more money? This presentation explores answers to this perplexing question.

Party hosted by Ashraf (6:30-10:30 pm)
Honoring All Structural Engineers

Join us for an unforgettable evening as we honor all structural engineering professionals. Come for fun and inspiration with endlessly-flowing champagne, a decadent dinner, and a hosted bar. Don’t forget your dancing shoes! The Ashraf All-Stars will play your favorite hits from the 80s, 90s, and beyond. Dress to impress. Evening attire recommended: Sport coat for men, cocktail dress or slacks for women. (Please, no jeans, shorts, t-shirts, flip flops, or tennis shoes.)

After-party open to all conference registrants and their spouses. Limited party tickets for students over 21 are available for $25.

For more information and for tickets, visit: www.seaoa.org

COMPUTERS & STRUCTURES, INC.
info@csiamerica.com | www.csiamerica.com
TECHNOLOGY FOR A BETTER WORLD
Buehler

Job Position: Structural Engineers

Job Description:
We are looking for talented engineers at all levels for our San Francisco and San Carlos offices! We love knowing how things work – and because we work in a highly collaborative environment, everyone at Buehler is approachable, considerate, and eager to solve problems. Buehler offers a competitive salary and excellent benefits including medical, dental, vision, paid holidays, vacation and sick time, life insurance, and annual bonuses, as well as an unparalleled 401(k) and profit sharing program. We believe that creating an environment where people can learn, grow and follow their passions makes the difference in an individual's professional development. There is no single predefined career path at Buehler, just the opportunity to discover your own. Check us out at buehlerengineering.com!

How to Apply:
Please submit your resume and references to resumes@buehlerengineering.com!

Cary Kopczynski & Company

Job Position: Full Time Structural Engineers and Project Managers

Job Description:
Interested in engineering your career with an industry leader? If so, please submit your resume. We're hiring. Our employees work on exciting projects, connect with great people, and enjoy excellent compensation and benefits. If that sounds appealing, we'd welcome the opportunity to talk.

The Company: CKC has over 30 years of award-winning history. We're an innovative company committed to growing our people and advancing the A/E/C industry. We provide our staff with challenging project opportunities and support them with the tools and training they need to succeed. For more information, visit www.ckcps.com.

The Location: Our headquarters office is in Bellevue, Washington, near Bellevue Square and Lincoln Square. We're in the center of the vibrant Eastside, with hundreds of shops, restaurants, and after-hours venues nearby. We have:
  • Highest rated schools in the Pacific Northwest
  • Low crime rate
  • Great skiing, hiking, biking, boating, and clean fresh air

Job Requirements:
Requirements for structural engineers include an EIT and a BSCE from an accredited college or university (MS preferred). Responsibilities include:
  • Perform structural analysis
  • Prepare designs for buildings and other structures
  • Coordinate with BIM staff and others
  • Work independently and as part of a team
  • Maintain a working knowledge of codes and standards such as IBC, ASCE 7, AISC, and ACI 318

Project managers must also have a PE license (SE preferred). Additional responsibilities include:
  • Manage designs for buildings and other structures
  • Prepare project budgets and schedules
  • Coordinate with clients, industry partners, and Principals

How to Apply / Contact
Send Resume to jobs@ckcps.com. Please format any attachments in Word or PDF

Why You Should Apply
  • Excellent salary and benefits, including flexible PTO policy
  • Frequent training and professional growth opportunities
  • 100% paid employee medical/dental/vision coverage
  • Company provided Friday breakfast, social hour, beverages, and more
  • Employer match 401k
Coffman Engineers

**Job Position:** Structural Engineer (5-10 years experience)

**Job Description:**
The right team is more than an advantage, it’s a game changer! Come work with a team of engineering professionals dedicated to excellence at Coffman Engineers’ Bay Area office.

Coffman Engineers is seeking a Structural Engineer with five to ten years of experience to assist in the design of commercial, institutional, and industrial structures for our Bay Area office located in Oakland, California. The successful candidate will be enthusiastic, have a desire to work and grow with a multi-discipline engineering team and be willing to have fun.

**Why You Want To Work Here**
You could choose to work anywhere, so why work at Coffman Engineers? Because we are different – our culture sets us apart. Simply stated, we are a group of creative, high-performing people who like working together and believe that what we do makes a difference. Employees say that it feels like working with a group of friends in a small office while enjoying the benefits and perks of working for a large firm. Our culture isn’t the only thing that makes us different, but it drives everything we do.

Coffman offers comprehensive benefits, including a flexible PTO program and a fun office environment. Our Bay Area office is conveniently located near Lake Merritt and 20th Street, just three blocks from BART. Whether it is delivering the best possible service to our clients, or competing in an office-wide curling competition, we welcome the dedicated and the driven. Join us.

Don’t take our word for it. Check out what others are saying: [http://www.glassdoor.com/Reviews/Coffman-Engineers-Reviews-E409809.htm](http://www.glassdoor.com/Reviews/Coffman-Engineers-Reviews-E409809.htm)

Coffman at a Glance:
• 490 employees in 14 offices located in 8 states and 1 territory
• Multi-discipline engineering services plus fire protection, corrosion control, commissioning and project/construction management
• #212 Top 500 Design Firms, Engineering News-Record, 2018
• #12 Best Firms to Work For - Multi-Discipline, Zweig Group, 2018
• #30 Zweig Group Hot Firm List, Zweig Group, 2018

Follow us!
www.coffman.com
Twitter: @CoffmanEngineer
Instagram: @CoffmanEngineers
LinkedIn: [https://www.linkedin.com/company/coffman-engineers](https://www.linkedin.com/company/coffman-engineers)
Facebook: @CoffmanEngineers

**Job Requirements:**
• A four-year degree in civil engineering or a related field
• Master’s Degree in Structural Engineering (preferred)
• Registration as a P.E.
• Registration as a S.E. (preferred)
• 5 to 10 years of experience in the structural design of buildings or similar structures
• Ability to work independently, and supervise the efforts of a small team
• Ability to maintain a good working relationship with clients
• Experience with computer analysis software systems
• Excellent leadership, supervisory, and writing and verbal communication skills

**How to Apply/Contact**
You must apply online for this position. If you are unable to complete our online application process, or if you need assistance to do so, let us know so we can provide a reasonable accommodation.
As part of the application process, you will be asked to create a user profile that allows you to manage the application process, answer a few questions, attach your resume and other documents and then submit. We look forward to learning more about you! If you are accessing this from outside our website, go to http://www.coffman.com/home/careers/openings/oakland-openings/ and open the appropriate position posting.

If you are experiencing problems applying through our system, please try again using a different browser or an updated version of your current browser. If that doesn’t work, please contact us directly.

This position is direct with Coffman Engineers; we are an Equal Opportunity and Affirmative Action Employer of Minorities/ Females/Veterans/Disabled individuals. Coffman Engineers will consider qualified applicants with a criminal history.

**Daedalus Engineers**

**Job Position:** Experienced Structural Engineer

**Job Description:** We are a growing creative team of structural engineers who enjoy working in a casual, fun office environment. We 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 also have special expertise in earth retention/shoring systems. 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.

**Primary Job Functions:**
- Perform structural engineering analysis and design
- Prepare and review drawings, engineering reports, and calculations
- Run projects through all phases
- Interact with clients
- Manage a team of engineers
- Conduct periodic job site observations and other services as required

**Job Requirements:**
- Bachelor/Masters Degree in Civil/Structural Engineering
- California P.E. license required, S.E. license preferred
- Minimum 5 years of relevant building design experience
- Experience/knowledge in designing and detailing in all materials
- Experience in project/team management
- Candidates must be proactive, have strong organizations skills, excellent written and verbal communication skills, team leadership skills, and be customer oriented

**How to Apply / Contact**
For more information about Daedalus Engineering and to view our project portfolio, please visit our website at http://www.Daedalus-eng.com.

Please send your resume (PDF format only) and cover e-mail to employment1@daedalus-eng.com

**Forell/Elsesser Engineers**

**Job Position:** Engineer/Senior Engineer

**Job Description:** The successful candidate will be responsible for design and delivery of quality structural projects from design through construction administration under the oversight of the Project Principal, often working on several projects concurrently.

**Job Requirements:**

**Qualifications**
- Professional Engineer or Structural Engineer registered in the State of California.
- Master's Degree in Structural Engineering

**Technical Ability**
- Technical expertise and thorough knowledge of structural analysis and design
Thorough knowledge of building systems and ability to design and analyze steel, concrete and wood structures
Thorough knowledge of building non-structural systems
Ability to conceive and develop structures compatible with architectural and building system needs and requirements
Ability to effectively review work of others, and locate and correct errors
Knowledge of CBC, ACI, AISC, NDS codes
Ability to work successfully with team members and consultants to produce high quality work on time and on budget
Ability to develop and articulate design criteria
Ability to verbally, graphically and textually communicate design criteria, issues, decisions and recommendations
Ability to write technical reports
Commitment to continuing education, self-development and growth
Ability to provide a high level of client service
Demonstrate a proficient knowledge of Revit

Management Ability (Senior Engineer)

• Project leadership ability
• Ability to respond to and assume responsibility
• Ability to produce fee proposals
• Ability to provide guidance to Engineers and Structural Designers
• Ability to handle several design and construction projects at one time

How to Apply/Contact

We are looking for someone with excellent technical skills and a strong desire to learn and grow in our firm and who wants to join an exciting and thoughtful team that actively encourages and supports individual professional growth through ongoing education, training, and mentoring.

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

Qualified candidates should forward their resumes and cover letter to recruiting@forell.com.

FTF Engineering

Job Position: Internship

Job Description: 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. Looking for an opportunity to shape a safer, better world and work hand-in-hand with highly respected civil and structural engineers? FTF is committed to helping the next generation of engineers with valuable internship opportunities by working on exciting and significant projects for a variety of building types.

Internships are available for 4th year undergrad and grad students in civil, structural and architectural engineering, both during school year and summers. Select responsibilities may include but are not limited to:

• Design of individual structural members on a project
• Structural analysis using structural software
• Attending meetings and learning from listening, asking questions and discussion
• Learning and honing structural software skills
• Structural analysis modeling
• Navigate through codes and/or guidelines
• Ability to handle several design and construction projects at one time

Compensation as an intern:
FTF Engineering offers a competitive compensation package including:
• Health, Dental, and Vision Insurance benefits through the company-sponsored plan
• Long Term Disability and Life Insurance
• Participation in the company 401(k) Plan, including employer matching contributions
• Paid company holidays and personal time off (PTO)
• Professional development assistance
• Profit sharing
• Commuter benefits·
• Flexible Spending Account (FSA) / Health Savings Account (HSA)

How to Apply/Contact
To apply for the INTERNSHIP position, submit cover letter and resume to info@ftfengineering.com. Provide references and work samples upon request. No phone calls, please.

Job Position: Structural Engineer (0-7 years of experience)
Job Description: 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

Job Position: Revit/CAD Manager with 2+ years of experience
Job Description: 
• 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

COMPENSATION:
FTF Engineering offers a competitive compensation package including:
• Health, Dental, and Vision Insurance benefits through the company-sponsored plan
• Long Term Disability and Life Insurance
• Participation in the company 401(k) Plan, including employer matching contributions
• Paid company holidays and personal time off (PTO)
• Professional development assistance
• Profit sharing
• Commuter benefits
• Flexible Spending Account (FSA) / Health Savings Account (HSA)

How to Apply/Contact
To apply submit cover letter and resume to info@ftfengineering.com. Provide references and work samples upon request. No phone calls, please.

Holmes Structures
Job Position: Project Engineer and Senior Engineer
Job Description: Holmes Structures is a structural engineering firm, with offices in San Francisco, Los Angeles and Portland. We are part of the New Zealand based Holmes Group, with offices around the Pacific Rim. Compelled by the possibilities, we are relentlessly pursuing Why – to create what is Best. We ask great questions, do great thinking, and deliver beautiful design.

Holmes pushes boundaries. We put no limits on individual potential. Basing rewards and advancement on achievements and entrepreneurship, not just seniority. This also means taking an imaginative and resourceful approach to projects, challenging established convention, and using cutting-edge technologies. If you are a person who pushes the boundaries – in your achievements, interests, and abilities – then we want you as part of our energetic and collaborative teams.

Job Requirements:
We are seeking Project Engineers and Senior Engineers for our San Francisco, Los Angeles and Portland offices. Candidates should have a B.S. (M.S. preferred) in Structural Engineering, and 2-6 years of related experience. Candidates must possess a valid PE license; SE license is also a plus. Candidates must be fast learners, ambitious, have the ability to handle increased responsibilities, have excellent verbal and written communication skills, and be able to interact effectively with clients, project teams, and colleagues.

How to Apply/Contact
Check us out at www.holmesstructures.com and send your resume with cover letter to hr@holmesstructures.com.

Hoogerwerf Engineering Group, Inc.
Job Position: Experienced Project Engineer
Job Description: Hoogerwerf Engineering Group, Inc. (HEGI), located in San Jose, CA, are recognized specialists in the engineering of Post-Tensioned Concrete buildings. We are growing our engineering capacity to meet the increased demands of the construction industry. HEGI is well known for using value-engineering techniques to create economical designs while meeting aggressive project deadlines. HEGI staff engage in a team approach to take projects from inception to completion in a timely manner, delivering accurate final engineering calculations and construction documents. We are hiring experienced engineers to join our team, seeking individuals with a solid background in all materials of construction. You will have the opportunity to work on exciting engineering projects throughout California.
Primary Job Functions:
• Perform lead structural engineer duties on designated projects.
• Analyze and design structures using industry engineering software.
• Coordinate design and schedule with other disciplines (via email, phone & meetings).
• Perform review of all project documents for accuracy and completeness.
• Recognize potential project problems quickly and identify solutions.
• Conduct periodic job site observations and other services as required.

Job Requirements:
• Bachelor’s degree in Civil or Architectural Engineering.
• S.E. or P.E. License in State of California.
• 5 years or more experience in:
  • Designing multiple types of projects (mixed-use, multi-family with podiums, parking structures etc.).
  • Structural design software such as ADAPT, ETABS, SAFE and ENERCALC.
  • Concrete, masonry, wood and steel framing design.
• Familiarity with CAD and BIM modeling software (AutoCAD and Revit).
• Proficiency in MS-Word and MS-Excel (for correspondence and calculations).
• Strong teamwork and communication skills.
• Project management experience.

How to Apply/Contact
For more information on Hoogerwerf Engineering Group, Inc. (HEGI) and to view our portfolio of engineering projects visit our website. Please your send resume and cover e-mail to HR@hoogerwerfegi.com.

Jacobs Engineering
Job Position: Junior Structural Drafter / Designer
Job Description: Working under the direction and mentorship of a senior structural designer, you would be responsible for the development of structural plans in accordance with company and client practices. Utilize AutoCAD 2018 to produce high quality design plans with minimal supervision by following verbal instructions, rough sketches, or examples. Must have the ability to work well in a diverse team environment and take initiative to add value to the design team. Typical efforts require the development of structural details, and components, reinforce concrete, structural steel, detailing with transportation or building related structures.

At Jacobs, we help prepare people for new opportunities and challenges. With positions at every level, openings in multiple disciplines, expertise in a range of markets and offices around the globe, we create an environment where you can learn, grow, and thrive. From our competitive benefits program to our Health and Safety initiative of Beyond Zero workplace injuries, we believe that you’ll find a flourishing career here at Jacobs.

Jacobs is a global engineering company with over $16 billion in revenue, and more than 80,000 employees. Providing a full spectrum of services including scientific, technical, professional and construction- and program-management for business, industrial, commercial, government and infrastructure sectors. For more information visit www.jacobs.com

Job Requirements:
• Associates degree or college degree required
• Knowledge of AutoCAD 2018 required, MicroStation or BIM is a plus.
• 0-2 years of structural drafting/design experience or training/certification.
• Competence in application of geometry.
• Must hold a valid California driver’s license.
• Must have good communication skills.
• A desire to learn, work hard, and be successful
• Be able to go to construction sites, climb up and around ladders, hills, and infrastructures to take measurements and notes

How to Apply/Contact
OLMM Consulting Engineers

**Job Position:** Structural Engineer

**Job Description:** OLMM Consulting Engineers is an award-winning and reputable structural engineering firm with offices in San Francisco and Oakland. Our projects include airport terminals, healthcare facilities, educational facilities, civic buildings, office buildings, laboratory buildings, parking structures, and multifamily and mixed-use projects.

A sample of our projects includes: Consolidated Rental Car Facility at Doha International Airport, the Contemporary Jewish Museum in San Francisco, the base-isolated San Francisco Main Library, Terminal-2 at San Francisco International Airport, Highland Hospital Rebuild project in Oakland, and the Warm Springs BART Station.

We are looking for a Project to Senior Level Structural Engineer to be part of our team. You will have the opportunity to work on diverse, challenging and rewarding projects in a nurturing and collaborative work environment with excellent opportunity for growth.

**Job Requirements:**
- MS in Structural Engineering
- PE or SE license in California
- 5 to 15 years of responsible structural analysis and design experience in California.
- Excellent oral and written communication skills
- Ability to work well collaboratively

**What we offer:**
- Excellent compensation and benefits
- Diverse and challenging projects
- Excellent opportunity for professional growth and advancement, and
- A collaborative corporate culture

**How to Apply / Contact**
Come join us and make a difference! Please email your resume to badri@olmm.com.

PSE Consulting Engineers

**Job Position:** Structural Engineer Manager

**Job Responsibilities:** Your primary duty will be to bring your and your team's projects to successful completion. This includes, but is not limited to:
- Analyze structures using various structural engineering software;
- Prepare structural calculations and details of structural elements for various materials;
- Provide leadership, project organization, and project review to a team of 4-6 engineers;
- Strong organizational skills and ability to handle multiple tasks;
- Forward thinking attitude with the ability to problem solve, be resourceful and solution savvy;
- Competence using different varieties of engineering software and thorough understanding of the Building Codes;
- Manage client interactions and communications.

**Job Requirements:**
- B.S. in Civil Engineering and PE license are required, MSCE preferred.
- Minimum 5 years experience in residential and commercial buildings analysis, design and detailing. At least 2+ years in a leadership role.
- This position requires driving to various locations; a valid driver's license and access to a vehicle is required.

**How to Apply / Contact**
E-mail your resume, cover letter and list of engineering classes & continuing education to info@structure1.com.
SOHA Engineers

**Job Position:** Project Engineer

**Job Description:** SOHA Engineers is a structural engineering firm located in SOMA/South Beach San Francisco specializing in structural and seismic design of commercial, government, transportation, and institutional facilities for both private and public clients. We are walking distance to Muni, Caltrain, and San Francisco Giants Oracle Park.

SOHA is seeking an experienced Project Engineer with at least 2 - 4 years experience in structural/seismic design of buildings and structures, PE or SE license, good technical, verbal and written communication skills, able to work fairly independently, and a team player with interest in working in a collaborative and technically challenging environment.

The Project Engineer will perform structural analysis and design of building structures, prepare construction documents including structural detailing and coordination with other disciplines, provide construction administration services, attend meetings and site visits.

Check us out at [www.soha.com](http://www.soha.com)

**How to Apply/Contact**

Applicants may send a resume and cover letter to Human Resources at: employment@soha.com.

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Wiss, Janney, Elstner Associates, Inc.

**Job Position:** Project Engineer

**Job Description:** Wiss, Janney, Elstner in San Francisco is looking to grow its team with an Experienced Structural Engineering Project Manager.

WJE is a global firm of engineers, architects, and materials scientists committed to helping solve, repair, and avoid problems in the built world. Since 1956, our applied experience from more than 125,000 projects and our state-of-the-art laboratory and testing facilities have made WJE a leader in providing innovative yet practical solutions to the clients we serve.

An experienced Structural Engineering Project Manager is a well-rounded professional who develops their own client base, leads project teams, is able to tackle complex assignments, provide sound solutions to client problems, and is an expert in one or more of the primary practice areas of WJE.

An experienced Structural Engineering Project Manager at WJE should be active in industry organizations, serve on technical committees, and author papers in their area of expertise while developing industry recognition.

Contributions to company-wide objectives through mentoring, participation in office and company development initiatives, participation with in-house Technical Resource Groups (TRGs), and business development are expected.

**Job Requirements:**
- Associates degree or college degree required
- Ph.D. or master’s degree in civil/structural engineering with at least 10 years of relevant experience
- Licensed Structural Engineer in California
- A strong portfolio of regional experience, strong understanding of the local marketplace, and established clients in the San Francisco area
- Experience managing a range of projects from small to large
- An interest in solving problems with new and existing structures
- Experience investigating damage caused by fire, collapse, and earthquake
- Active in professional organizations
- Strong technical, written, and verbal communication skills
- Ability to work in the field, but locally and outside the local area depending on work load and project locations

**Typical Responsibilities:**
- Provides support as the primary client contact for projects
- Develops the scope of services and prepares proposals
- Assembles and manages appropriate project team based on needs analysis and negotiates for available resources
- Invoices client and follows up on outstanding accounts
- Builds client relationships and attracts new and repeat business
- Mentors junior staff
- Prepares drawings, specifications, and final project deliverables
- Prepares bid documents, addenda, change orders, draft investigation reports, and other work product
• Conducts on-site inspection/investigation including surveying and documentation of distress, field testing, sampling, photographing, sketching, and designing repair details as needed
• Researches historical background of structural, technical issues, and code issues
• Analyzes research and investigation data and develops alternate schemes for solving problems
• Monitors and/or conducts laboratory testing
• Completes structural analysis of concrete, steel, wood, masonry and other systems
• Attends field meetings and prepares site observation reports
• Participates in professional organizations, authors papers, attends conferences, and performs work on technical committees

Preferable Practice Areas:
• Failure analysis
• Structural testing
• Code consulting
• Litigation consulting
• Insurance claim consulting
• Seismic retrofit design
• Due-diligence/pre-purchase surveys
• Probable Maximum Loss studies

Physical Requirements:
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. This position requires visual acuity and listening ability. Individuals must have the dexterity to be able to operate office and field equipment such as computer, printer, fax, copier, telephone, voice mail system, and other office and field equipment. Requirements may also include:
• Ability to attend meetings at the various office, field, and construction sites
• Ability to perform inspections of buildings and other structures, both visually and with instruments
• Ability to lift and carry materials and equipment up to 50 lbs.
• Ability to perform work in the temperature extremes presented by work in the outdoors
• Ability to read construction drawings, diagrams, printed materials, and computer screens
• Ability to record data clearly and write passages for reports, letters, etc.
• Ability to travel
• Ability to safely work at heights
• Ability to safely use and/or operate ladders, scaffolds, lifts and other access equipment
• Ability to understand and appreciate safety training specific to numerous workplace and construction hazards
• Ability to safely work in a variety of occupationally hazardous locations
• Medically fit to utilize respiratory protection devices and other forms of Personal Protective Equipment
• Ability to drive and safely operate a motor vehicle

WJE is an Equal Opportunity Employer. We invite all qualified applicants to apply including individuals with disabilities, minorities, women, and protected veterans (VEVRAA federal contractor).

WJE will consider qualified applicants with criminal histories in a manner consistent with the requirements of Fair Chance Ordinances.

How to Apply / Contact
All interested applicants must apply directly to this opportunity on our website: www.wje.com/careers.