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PRESIDENT’S MESSAGE
by Janiele Maffei

The February SEAONC meeting on February 4 will include a presentation by Joe Maffei on “Challenges in Seismic Evaluation and Retrofitting”. (This is usually where I mention that Joe and I are not related so I will not disappoint). The presentation is well timed since the National Earthquake Conference (NEC) will convene in San Diego the following month. The NEC happens every four years bringing together what I refer to as the earthquake engineering community. The NEC website notes that this community will gather to “share the latest advances in earthquake science, best practices for outreach and education, building science and code advancement, and policy initiatives that improve resiliency.” Our organization will be well represented with David Bonowitz providing one of the keynote presentations and numerous SEAONC members contributing as moderators and speakers. This is yet another opportunity for SEAONC and SEAOC members to contribute to and learn from the broader community.

SEAONC and SEAOC have a long history of not just participating in earthquake engineering but in leading efforts to develop and put into practice the best available science and applied science. Our history as an organization is highlighted on the SEAONC website as having come a long way since 1930 when just 39 members started the organization. That “club” began to make significant contributions following the 1933 Long Beach earthquake when they counseled the California State legislature to pass the Field Act governing the design and construction of schools. Statewide, members became increasingly involved in code development and in 1959 SEAOC published model earthquake design recommendations entitled “Recommended Lateral Force Requirements” commonly referred to as the "Blue Book". SEAONC and SEAOC continued to have a significant impact on earthquake engineering.
engineering with their involvement in the California Hospital Act of 1971, the creation of the Applied Technology Council (ATC) in 1971, and the adoption of the Alquist-Priolo Studies Zone Act in 1972.

SEAONC and the statewide umbrella organization, SEAOC, have a long history of providing talented volunteers to local, State, and National committees creating and updating earthquake design standards. The opportunity for new members to contribute still exists on our seismology, existing buildings, resilience, and disaster emergency services committees (to name just a few). We hope that you will lend your voice, and your talents, to the earthquake engineering community through membership in one of SEAONC’s prestigious committees.

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**UPCOMING EVENTS**

**February Monthly Meeting: Challenges in Seismic Evaluation and Retrofitting**
- Tuesday, February 4, 2020
- Registration: 5:00 pm // Program: 6:00 pm - 7:00 pm
- HOK, San Francisco

**Public Outreach Event: SF-Marin Food Bank Event**
- Saturday, February 8, 2020
- Volunteer Work: 12:00 pm - 2:00 pm
- San Francisco-Marin Food Bank, San Francisco

**Joint AIA/SEAONC Sustainable Design Event: Low Carbon Construction: Architects & Structural Engineers Role in Getting to Net Zero**
- Wednesday, February 19, 2020
- Registration: 5:30 pm // Program 6:00 pm
- AIA San Francisco

**South Bay Dinner Meeting: Development of Guidelines and Economic Incentives for Seismic Retrofitting of Residential Houses**
- Wednesdays, February 26, 2020
- Registration: 5:15 pm // Dinner & Program 6:30 pm
- Michael’s at Shoreline, Mountain View

- Wednesdays, March 11 & 18, 2020
- Registration: 5:30 pm // Program 6:00 pm
- PG&E Auditorium, San Francisco

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Corporate and institutional building owners are increasingly seeking advice on the seismic risk posed by their buildings. Recent evaluations show that it can be difficult to meet “basic safety” for many structures, even those that engineers intuit to be acceptable.
UPCOMING EVENTS

The presentation will use real-word examples to illustrate key issues in seismic evaluation and retrofitting, including:

- Criteria used for seismic evaluation and retrofitting
- Steel moment frames and column splices
- Behavior modes for concrete wall buildings
- Interactions between lateral systems and gravity framing
- Use of nonlinear analysis in seismic evaluation

The presentation will provide practical recommendations for both general and specific aspects of evaluation and retrofitting, and suggest areas in which it advisable to look at alternative assumptions based on research findings, in addition to checking the prescriptions of current retrofit standards.

Speaker Bio

Joe Maffei is the founder of Maffei Structural Engineering. He is a practicing structural engineer and expert in the seismic evaluation, design, and retrofitting of structures for public and private-sector clients. Over his 33-year career, he has directed a range of projects, including designs using innovative solutions and advanced methods of evaluation. Dr. Maffei has helped lead the structural engineering profession in developing standards for performance-based design, nonlinear analysis, high-rise design, seismic retrofitting, and solar-energy structures. He has contributed to building codes and structural guidelines for the American Society of Civil Engineers (ASCE), the American Concrete Institute (ACI), and other organizations. Joe was an inaugural member of the University of California Seismic Advisory Board, and he has performed seismic evaluations of numerous buildings for University of California campuses.

Dr. Maffei has a BE in Civil Engineering from Cooper Union, an M.S. in Structural Engineering from the University of Texas at Austin, and a Ph.D. in Structural Engineering from the University of Canterbury, Christchurch, New Zealand. He was a post-doctoral scholar at the Toyohashi Institute of Technology in Japan. He is the recipient of a Fulbright fellowship to New Zealand, and is a Fellow of the Structural Engineers Association of California.

SEAONC Public Outreach Event:
SF-Marin Food Bank Event

Date: Saturday, February 8, 2020
Volunteer Work: 12:00 pm - 2:00 pm
Location: San Francisco-Marin Food Bank
900 Pennsylvania Ave
San Francisco, California 94107

Click here to register

Please join the Public Outreach Committee for a volunteer opportunity on Saturday, February 8 from noon to 2 pm with the San Francisco Marin Food Bank. We will be volunteering at the SF Marin Food Bank’s warehouse facility at 900 Pennsylvania Ave., San Francisco, to help sort and package food for local agencies to distribute to those in need in their communities. Afterwards, stick around to enjoy pizza with the other SEAONC volunteers! There are only 15 spots available, so sign up soon!

Please contact Patrick Tabuchi, ptabuchi@gmail.com, to RSVP or if you have any questions. Non-engineering friends and family are welcome, but ages 8 and up only please.

ABOUT SAN FRANCISCO-MARIN FOOD BANK San Francisco-Marin Food Bank’s mission is to end hunger in San Francisco and Marin, where one in five neighbors is at risk of hunger. We envision a community where everyone is able to obtain enough nutritious food in a dignified manner to support the health and well-being of themselves and their families. We address hunger head on: from our pantry network and home-delivered groceries, to our nutrition-education classes and food-stamp enrollment, we work in many ways to nourish and empower neighbors in need. Every week, 32,000 households count on us for food assistance. Nearly 60 percent of what we distribute is fresh fruits and vegetables. Learn more at www.sfmfoodbank.org.
Over the past four years, the California Earthquake Authority (CEA) and Federal Emergency Management Agency (FEMA), has sponsored two unique but related projects related to the seismic evaluation, retrofit and quantification of economic benefits (loss reduction) of those retrofits, for selected single family residential dwellings. This seminar will provide an overview of these two companion projects.

The first project, managed by the Applied Technology Council under the ATC-110 Project series, recently completed a new prestandard for seismic assessment and retrofit of dwellings with cripple wall, living space over-garage, hillside, and chimney vulnerabilities. This prestandard was released in October of 2019 as FEMA P-1100 and includes simplified engineering procedures as well as selected prescriptive plan sets for routine conditions. The simplified design procedures and plan sets were developed and vetted using advance nonlinear analyses to meet performance objectives consistent with the philosophies of seismic building codes.

The second project, managed by the Pacific Earthquake Engineering Research Center (PEER), focused on developing loss functions and other supporting information to quantify the economic benefits of retrofitting vulnerable cripple walls and anchorages. The overall goal of the program is to incentivize retrofits with insurance discounts and other programs, such as the CEA Brace + Bolt program. The loss functions were developed through a comprehensive study, based on nonlinear dynamic analyses and FEMA P58 damage and loss assessments of archetype house designs, taking into account variations in exterior and interior wall finishes, number of stories, and other factors. The computational modeling was supplemented by (1) cripple wall component and subassembly testing conducted at UC Berkley and UC San Diego, and (2) a workshop with insurance cost adjusters.

Speakers: Colin Blaney of Buehler Engineering, Dave Welch of Stanford University, and Greg Deierlein of Stanford University

Colin Blaney is a managing principal of the Silicon Valley office for Buehler and has over 30 years of experience with new and existing buildings including over 1 billion dollars of public sector design-build work in the last 10 years. Colin has a special passion for the seismic evaluation and rehabilitation of existing buildings and served as the Chairman of SEAONC’s Existing Buildings Committee between 2007 and 2010. Colin was the co-chair of the FEMA P-1100 project which is the subject of a portion of tonight’s talk and has been involved in developing Plan Set A, the FEMA Plan Set, updates to both the Code and Commentary of IEBC, and is the author for SEAONC’s example problems for IEBC A3.

In 2009 Colin received the Edwin B. Zacher Award for outstanding professional service for SEAONC. In 2016 Colin was also nominated as a SEAOC Fellow for his contributions to field of Structural Engineering. Colin is a graduate of Cal Poly San Luis Obispo and a proud husband and father of two teenage daughters.

Greg Deierlein is the John A. Blume Professor and Director of the Blume Earthquake Engineering Center at Stanford University and he currently co-directs the SimCenter of the Natural Hazards Engineering Research Infrastructure (NHERI). Deierlein specializes in the design and behavior of structures, nonlinear structural analysis, computational damage mechanics, and performance-based earthquake engineering. He is a registered professional engineer (NY) and is active in development of building code standards and policies to promote seismic resilience. He is member of the US National Academy of Engineering and a Fellow of SEAOC.

Dave Welch from Stanford University

UPCOMING EVENTS

South Bay Dinner Meeting: Development of Guidelines and Economic Incentives for Seismic Retrofitting of Residential Houses

Date: Wednesday, February 26, 2020
Registration: 5:15 pm
Dinner & Program: 6:30 pm
Location: Michael's at Shoreline
2960 N. Shoreline Blvd
Mountain View, California 94043
Click here to register
COMMITTEE NEWS

From the SEAONC History Vaults

Darrick B. Hom, Hensolt SEAONC Legacy Committee Chair

Did you know that the SEAOC Blue Book, the publication of documents and articles for good seismic design practice, has been around for sixty years? The first edition was published in July 1959 and the ninth edition was just released in 2019. At the time of the initial publication, lateral force requirements in the code were virtually non-existent. The SEAOC Blue Book sought to fill this void and became the de facto standard for designing buildings for lateral forces more many decades. Many of today’s seismic code provisions can trace their origins back to the SEAOC Blue Book. You can learn more about SEAOC Blue Book as well as other history of structural engineering in Northern California at the Hensolt SEAONC Legacy Project. The project can be viewed at legacy.seaonc.org and if you wish to contribute to the project,

UPCOMING EVENTS

Joint AIA/SEAONC Design Meeting
Low Carbon Construction - Architects & Structural Engineers Role in Getting to Net Zero

Date: Wednesday, February 19, 2020
Registration: 5:30 pm
Program: 6:00 pm
Location: AIA SF
130 Sutter Street Suite 600
San Francisco, California 94104
Click here to register

The construction industry, through building construction and building use, contributes roughly 40% of total anthropogenic carbon dioxide emissions to the environment. Embodied carbon - emissions from building materials and construction - makes up over 25% of this total. The design decisions we make as structural engineers and architects directly impact these emissions. This gives us a vital role to play in reducing the environmental impact of the built environment. This panel session will discuss advances the structural engineering profession is making toward net zero embodied carbon structures, discuss the top 3 actions structural engineers and architects can take to reduce the embodied carbon in their projects, and discuss how structural engineers and architects can work better together to effectively reduce the embodied carbon of their projects.

This panel session is sponsored by AIASF COTE and SEAONC Sustainable Design Committee. It will be of interest to all building professionals and will raise awareness among architects and structural engineers about how they can make wiser design choices to reduce emissions. Attendees will leave with an idea of sustainable strategies that can be implemented on their projects. This session will include panelists who helped develop the first Low Carbon Concrete Building Code in the U.S. as well as panelists who are involved in the Structural Engineering movement, SE2050, to get to net zero embodied carbon structures by year 2050. This session will be interactive, so come with your questions and ready for discussion!

SAVE THE DATE - 2020 SPRING SEMINAR:
“New Provisions and Changes in the 2019 CBC”

Date: Wednesdays, March 11th and 18th
Registration: 5:00 pm
Program: 6:00 pm - 9:00 pm
Location: PG&E Auditorium
San Francisco, CA

COMMITTEE NEWS

From the SEAONC History Vaults

Darrick B. Hom, Hensolt SEAONC Legacy Committee Chair

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The SEAONC SE3 Diversity and Inclusion Subcommittee is happy to announce our roundtable discussion panel in San Francisco on February 25, 2020. The moderated panel will feature an interdisciplinary group of professionals from across the AEC industry. Learn about how firm leaders incorporate D&I strategies in their recruitment and management practices. A networking happy hour and discussions will follow the panel.

Date: Thursday, February 25 | 6pm to 8pm

SE3 Long-Term Mentorship Program

SE3's mentorship program aims to facilitate further access to this career-boosting practice. The long-term mentorship program that launched in 2019 will conclude its first year in March, and the committee will facilitate a second year of programming with a slightly new format. We encourage all mentors and mentees to continue in the program, and will also be actively recruiting new participants of all experience levels. Stay tuned for future long-term and speed mentoring events in 2020!

SE3 2020 PROGRAMMING

Whether or not you have been a member of our committee in past years, we would be delighted to have your contributions in any of our sub-committees and programs. If you are interested in joining the SEAONC SE3 committee, please email us at se3@seaonc.org. New members are always welcome! In addition to mentorship and D&I related efforts, SE3 is working on the following projects:

Exit Interviews

Over the coming year, the newly formed Exit Interviews subcommittee will be executing interviews of individuals who have left the structural engineering profession in order to gain insights and inform the professional community. Stay tuned for further information on the interview process, and let us know if you know anyone who would be willing to discuss their career change with an SE3 representative.

Career Tips

In an effort to make career advice available to people who don’t have access to a mentor, or who would like additional career guidance to supplement their current mentoring relationships and activities, the SEAONC SE3 Team is developing a database of career tips on a variety of topics. Please email us if you would like to contribute to this effort in any way or if you have any great ideas on what content, topics or format to include in this resource. We are actively seeking a volunteer to co-lead for this new task group.

NCSEA SE3

NCSEA SE3 is starting to work on the 2020 survey and needs volunteers! The survey focuses on career satisfaction, engagement and retention, compensation, and work-life balance within the structural engineering community. Please send an email to se3@ncsea.com if you are interested in helping out.

In an effort to focus this survey on fewer topics, the committee is issuing this open call for feedback and for new survey question ideas, which you can access here: https://tinyurl.com/vrxc8u2

Of course, the Hensolt SEAONC Legacy committee is always looking for more ideas, energy and participation from the SEAONC membership. This committee provides the unique perspective on the history of structural engineering in Northern California and it is an opportunity to learn and understand how our profession has evolved. Therefore, if you are interested in participating in this ongoing endeavor, please contact the SEAONC office at 415-974-5147 or office@seaonc.org.
Thank you to our inaugural Firm Sponsors! We sincerely thank you for your support of SEAONC.

**GOLD FIRM SPONSOR**

Degenkolb

**SILVER FIRM SPONSOR**

STRANDBERG ENGINEERING

**SUPPORTING FIRM SPONSOR**

APPLIED MATERIALS & ENGINEERING, INC.

G F D S ENGINEERS

WJE
SUPPORT

» Special Projects Initiatives
  » Past Projects Include: Testing of Anchor Bolts, Special Moment Frame Qualifications, Resilience Criteria
» Philanthropic (Student Scholarships, SEAOC Convention Scholarships & Grants, Engineers Alliance for the Arts, and Rebuilding Together)
» Encourage Active Participation Within SEAONC
» Promote Professional Development of your Employees

Contact the SEAONC office:
(415) 974-5147
office@seaonc.org

SEAONC REFERRAL LIST

Join the SEAONC Referral List!

Dear SEAONC Community,

We would like to take this opportunity to thank you for your support over the past few years. We value all contributions to SEAONC, and your involvement is extremely important to us and to the community at large.

SEAONC’s referral list serves to assist individuals seeking to find structural and civil engineers that specialize in specific areas of structural engineering. The referral list is a valuable tool to the community and we often get calls and emails from the public looking for a structural engineer.

The cost to be added to the referral list is $100 and is valid for a period of 1 year.

Click here to fill out the application as part of the process to assure our data is accurate and up-to-date. Send completed application to office@seaonc.org.

To view the 2020 Referral List click here.
THANK YOU to our annual PLATINUM sponsor Computers & Structures, Inc!

STRUCTURAL ENGINEERING

is critical to the world’s economy and economic infrastructure. If structural engineers stopped working, all of human progress would come to a screeching halt.

It is clearly a profession that is indispensable to humanity.

Low fees are affecting our profession’s ability to attract and retain the smartest graduates. Meanwhile, some of the brightest minds in our field are leaving to pursue alternative careers. This will have devastating effects on the quality of our professional work and will become a public safety issue. **We must face these issues before it’s too late.**

Real estate agents get paid 4% to 6% of the selling price of a building each time it is sold. Structural engineers get 0.5% to 1.5% of the construction cost, one time only. The real estate agents have it figured out. **Why can’t we?**

@ashrafhabibullah
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

Follow us!
www.coffman.com
Twitter: @CoffmanEngineer
Instagram: @CoffmanEngineers
LinkedIn: 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

This position is not eligible for sponsorship.

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.

Degenkolb Engineers

Job Position: Project Engineer

Job Description: We’re currently seeking talented Project Engineers to join our team at Degenkolb. We’re hiring in both our Oakland and San Francisco offices.

Our firm is highly collaborative and filled with experts who are united by a commitment to professional development, industry involvement, taking pride in ownership, and respect for our personal lives. We listen to each other and value feedback from all perspectives, and we believe that these traits have helped to create a truly great place to grow our careers.

Careers at Degenkolb are ideal for engineers with a strong background in structural/seismic engineering, and people who thrive in an environment where they'll work on multiple interesting projects, while investing time in mentoring junior technical staff to continue our culture of excellence.

Job Requirements:

• Master’s Degree in Structural Engineering and 5 - 7+ years relevant experience.
• California Civil Engineering license (PE) required. Registration as a Structural Engineer in California (SE) is preferred.
• Must have a background related to structural/seismic engineering and demonstrated ability to perform complex structural calculations, to work independently with minimal direction from senior technical staff, to supervise and mentor junior technical staff, and to interact effectively with clients and project team members outside of the firm.
• Active participation in professional activities related to structural or earthquake engineering is a plus.

Job Position: Design Engineer

Job Requirements:

• Master's Degree in Structural Engineering with 3+ years of professional experience related to structural/seismic engineering.
• California Civil Engineering license (PE) required.
• Demonstrated ability to perform detailed structural calculations, to work independently with limited direction from senior technical staff, to provide limited direction to junior technical staff, and to interact effectively with clients and project team members outside of the firm.
• Active participation in professional activities related to structural or earthquake engineering is a plus.

Additional Information:

Degenkolb offers very competitive salary along with:

• Company-sponsored plans in medical, dental, vision, and life insurance, as well as commuter benefits.
• Generous Paid Parental Leave program to support new parents.
• 401(k) and Profit Sharing.
• Opportunity to own shares in the company and have an impact on your future.
• Encouragement and financial support for professional development and professional activities.
• Truly flexible work environment.
• Paid company holidays and generous paid time off (PTO).

To learn more about the company culture and our approach to development, please visit our website using the links below:

https://degenkolb.com/culture/

https://degenkolb.com/career_path/

How to Apply / Contact

Please visit https://degenkolb.com/job-openings/ to view current job openings and begin the application process.
Forell/Elsesser Engineers

Job Position: BIM Modeler

Job Description: FORELL / ELSESSER ENGINEERS is seeking an individual to be a contributor to the firm’s Building Information Modeling (BIM) capabilities. The ideal candidate will be a professional who can do production work in a team environment for this award-winning San Francisco-based structural engineering firm. Applicants are encouraged to demonstrate how their experience, technical skills and desire for career growth can contribute to firm success.

Individuals with diverse backgrounds are strongly encouraged to apply.

Job Requirements:

- As part of a collaborative team, the successful candidate will be responsible for the production of quality structural Revit / BIM models and construction document packages across a multitude of challenging projects.
- Technical training from an Autodesk Authorized Training Center or similar program, or work experience sufficient to have gained proficiency with Revit Structure modeling and detailing using Revit and AutoCAD in the A/E/C industry.
- A professional degree in a related discipline and experience with other 3D modeling beyond Autodesk Revit is a plus.
- Demonstrated proficiency in Revit Structure and/or Architecture, and AutoCAD.
- Excellent organization and time management skills; ability to work on multiple tasks simultaneously and under multiple deadlines.
- Ability to anticipate, identify and resolve problems.
- Good communications skills and desire to work in a collaborative team environment

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

How to Apply/Contact
Qualified candidates should forward their resumes and cover letter to recruiting@forell.com.

H.D. Rueb Structural Engineer

Job Position: Structural Engineer/Designer

Job Description: H.D. Rueb Structural Engineer is a consulting firm in Pleasant Hill, and we are looking to hire a full-time structural engineer/designer.

Our firm has provided structural engineering services for over 45 years, and we have extensive experience in a wide variety of buildings: schools, offices, commercial, medical, public/institutional, churches, retirement centers, apartment complexes, seismic retrofits and custom residential.

Job Requirements:

Minimum Qualifications:

- 3 years minimum experience in the field of structural engineering.
- CE license is required.
- SE license and MS degree are preferred.
- Experience in the design of wood, steel, concrete and masonry structures.
- Solid understanding of building codes and seismic provisions.
- Experience with DSA and/or OSHPD is preferred.

Minimum Required Skills:

- Self-motivated and able to work independently with minimal supervision.
- Excellent verbal and written communication skills.
- Multi-tasking to effectively work on several projects concurrently.
- Experience with structural analysis software: Enercalc and RISA are required, SAFE and ETABS are preferred.
- Basic proficiency with AutoCAD.
- Prepare accurate and complete structural calculations, plans and details.

We offer a competitive salary, 401k, health insurance allowance, flexible hours, paid vacation, sick leave and holidays.

How to Apply / Contact
Please send your cover letter and resume to staff@hdrse.com.
Holmes Structures

**Job Position:** Project Engineers & Senior Engineers

**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.

We are seeking Project Engineers and Senior Engineers for our San Francisco, Los Angeles and Portland office. 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.

**Job Requirements:**
• Provide technical leadership to structural engineers, drafters, and administrative support to ensure the accurate and timely completion of projects.
• Oversee the design and construction of projects, review and approval of documentation, including drawings and reports.
• Technical project planning for complex projects, including interactions with clients, architects and contractors, for all aspects of the project, including concept, planning, and design to project completion.
• Establishing and monitoring schedules and budgets as they relate to assigned projects.
• Developing new project opportunities with new and existing clients.

**How to Apply / Contact**
Check us out at [www.holmesstructures.com](http://www.holmesstructures.com) and send your resume with cover letter to hr@holmesstructures.com

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
LPA, Inc.

Job Position: Structural Project Manager

Job Description: LPA is seeking a passionate Structural Project Manager to join our integrated team of architects, engineers, interior designers, landscape architects and master planners. As a participant in our uniquely collaborative design process, you will work hand in hand with colleagues across disciplines on a wide variety of innovative, sustainable projects. Our award-winning projects aim to have a positive and enduring environmental, economic and social impact.

LPA is an integrated design firm with offices in California and Texas. We specialize in creating innovative, sustainable environments that work better, do more with less and improve people's lives. We provide a vibrant and rewarding work environment—one that values and fosters creativity, collaboration, critical thinking, community engagement and ongoing career development and growth. LPA is also committed to diversity, wellness and work-life balance. LPA offers competitive salaries and generous benefits, including health and dental insurance, retirement and financial, wellness and other work/life plans.

Job Requirements:
• Bachelor’s Degree in Civil, Structural, or Architectural Engineering required, Master’s Degree encouraged
• 10+ years of experience in all phases of building design
• Structural Engineering (SE) license required
• Proficiency in RAM, RISA and ETABS required. Familiarity with Revit encouraged
• Strong technical, code and detailing skills for quality documentation.
• Strong written and verbal communication skills: focused, articulate and motivated
• Knowledge in management of project business: scope, fee, schedule, work plans and budgets
• Enthusiastic commitment to the multidisciplinary design process and team environment
• Experience working with DSA and/or OSHPD encouraged
• The Project Manager will work in unison with Managing and Design Directors to lead the project design on a variety of projects
• Prepare and manage schedules, budgets and work plans during all phases of the design process
• Participate in the leadership of a large and growing team of structural engineers and designers
• Build a long-term career at one of the most respected and fastest growing integrated design firms in the country
• Mentorship from Managing Directors and Design Directors in both advanced structural engineering and informed integrated design
• Serve as Engineer of Record

NOTICE TO RECRUITMENT AGENCIES AND RECRUITERS:
Please note that LPA does not accept unsolicited resumes from recruiters or employment agencies. In the absence of a signed contract, LPA will not agree to pay any recruiter fee. In the situation an agency or recruiter submits a candidate or resume without a previously signed agreement and/or without LPA’s request, LPA explicitly reserves the right to hire those candidate(s) without any financial obligation to the recruiter or agency. Any unsolicited resumes, including those submitted to hiring managers, are deemed to be the property of LPA.

How to Apply / Contact
To apply, please visit https://jobs.lever.co/lpainc/b4464b78-10d4-4546-97ca-87e7893383db/apply.

Mar Structural Design

Job Position: Structural Engineer

Job Description: Do you have a passion for creative design? If you are inspired to grow in an exciting and collaborative environment, please email us a thoughtful note telling us about yourself. Mar Structural Design is looking for skilled and enthusiastic engineers. We are a mission-driven firm on the forefront of performance-based seismic design and sustainable design. Excellent engineering skills are expected along with a commitment to continual learning.
**Job Requirements:**
Our ideal candidate has at least four years of design office experience, a Master’s degree in structural engineering, and is licensed in California. They enjoy working collaboratively, thrive on reciprocal learning, and demonstrate a knack for seeing the “whole project.” Architectural training, experience designing in several structural materials, the ability to create thoughtful design details, and an interest in high-performance seismic and sustainable design are all considered pluses. This is an opportunity to shape both your career and our robust growing firm. Mar Structural Design is an Equal Opportunity Employer, and offers a competitive salary with comprehensive benefits.

**How to Apply / Contact**
Send your resume and cover letter to Taline Mitten at hr@marstructuraldesign.com

**Rinne & Peterson, Inc.**
**Job Position:** Project Engineer

**Job Description:** Since 1960, Rinne & Peterson, Inc. has provided structural engineering services focused on quality and customer service. This steadfast commitment has resulted in long lasting client relationships and expertise in a broad range of project types. Visit our website at [www.rpse.com](http://www.rpse.com) to learn more about our core values and project experience.

We are looking to add enthusiastic, ambitious self-starters to our team of talented and dedicated engineers. We value curiosity, attention to detail, technical excellence, and common sense. We believe in allocating responsibility based on aptitude and capability, rather than just years of experience. At Rinne & Peterson, we enjoy sharing our skills and insights with colleagues and clients as we collaborate to create designs with value.

**Job Responsibilities:**
- B.S. or M.S. degree in structural engineering
- PE or SE license in California
- 3+ years experience with a structural engineering consulting firm
- Desire for continuous lifelong learning, personal development and growth
- Interest in architecture and collaborative design
- Excellent verbal and written communication skills
- Technical skills and knowledge compatible with years of experience
- Design experience with steel, concrete and wood structures
- Experience writing proposals and reports
- Experience managing projects and interacting with design team, contractors, and clients
- AutoCAD and Revit experience a benefit

**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](http://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
- 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

Tipping Structural Engineers

Job Position: Structural Engineer

Job Description:

We are seeking two levels of candidates -- with 1 to 3 years and with 3 to 7 years of professional experience -- to join our team.

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- Designed specifically for AESS conditions and are easy for fabricators to work with
- So affordable they can be applied repetitiously

Beautiful AESS connections can be affordable.

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If you are looking for exciting new opportunities in structural engineering, CKC would like to hear from you. We are looking for experienced professionals to join our team. Positions open include project managers, design engineers, and BIM modelers.

We offer an excellent salary and benefits package plus opportunities to work on major projects incorporating innovative engineering solutions.

If you are interested in joining an industry leader, please submit your resume as a Word or PDF file to jobs@ckcps.com. Let us know how you can contribute to our dynamic team.

CKC is an equal opportunity employer.
Our ideal candidate: you have a master’s in structural engineering and a professional engineer’s license in the State of California, an interest in high-performance seismic and sustainable design, and a knack for “whole-project” seeing. In addition:

• You thrive on collaborating and communicating with others to expand possibilities and create positive contributions.
• You actively seek to grow your interpersonal skills and social intelligence.
• You are adaptable and willing to equally consider the diverse opinions and solutions of others.
• You strive toward excellence and continually innovate for learning and improvement.
• You are self-challenging, evaluating your assumptions with powerful questions and redefining problems.
• You are passionate about contributing to and supporting the long-term vision of the organization you belong to.

You have demonstrable engineering expertise evidenced by:

• a good understanding of the dynamic behavior of structures, including nonlinear behavior;
• an ability to solve engineering problems independently and catch errors before they impact a project;
• proven ability to take independent, responsible charge of increasing proportions of a project;
• an ability to draw, sketch, and detail in ways that convey your design intention and leave little room for misinterpretations by the builder;
• your calculations or analytic reports and presentations employ visual elements to convey the significant aspects of your findings, considering the audience for which they are prepared;
• a facility with AutoCAD, Revit, PERFORM-3D, RAM Structural System, RAM Concept, and RISA;
• an awareness of project budgets and the ability to judiciously tailor work to meet them;
• a good understanding of current standards of practice, including ASCE 7, ASCE 41, CBC, ACI, AISC, NDS; and
• a mastery of statics.

How to Apply / Contact
If you possess the foregoing qualities, credentials, expertise, and experience, please email to resumes@tippingstructural.com a cover letter illustrating how you might contribute to and thrive at Tipping Structural Engineers, as well as your résumé.

Walter P Moore
Job Position: Structural Engineer
Job Description: Walter P Moore is an international company of engineers, innovators and creative people who solve some of the world’s most complex structural and infrastructural engineering challenges. Providing structural, diagnostics, civil, traffic, transportation engineering, and parking consulting services, we engineer solutions that are cost- and resource-efficient, forward-thinking, and help support and shape our communities. Founded in 1931, we are more than 600+ professionals working across 18 US offices and 5 international locations. Our West Coast offices are thriving, motivated to grow, and supported by our experts across the firm.

Are you interested in taking your career to a new level? Would designing complex/innovative structures and working with a team of experts be of interest? Is so, we look forward to speaking to you.

Walter P Moore has immediate openings for the positions of Engineer and Senior Project Engineer to join our dynamic Structural Engineering Practice. Openings are available in our San Francisco, Los Angeles, and San Diego offices. Our structural engineering team is driven by the challenge of designing large and complex building structures. These include sports, high-rise, education, aviation, hospitality, commercial, and government facilities. We are committed to supportive teamwork; deep client relationships; innovation and continuous improvement; delivering successful projects; personal excellence; and stewarding our resources for a better future. If you share these values, we want to hear from you.

Job Requirements:
Engineer:
• Master’s in Civil Engineering with emphasis in Structures
• 3-7 years of experience in structural design. Majority of experience in California a plus.
• California PE required, or ability to obtain licensure within 6 months.
• A solid understanding of dynamic behavior of structures and the application of seismic building codes, including interest in Performance Based Design
Candidates must be proactive, possess strong organizational skills, excellent communication skills, thrive in a collaborative environment, and be client-service oriented.

**Senior Engineer:**
- 6-11 years of experience in structural design. Majority of experience in California a plus.
- Demonstrated career growth that includes project management experience
- Master's in Civil Engineering with emphasis in Structures
- California PE license, SE Preferred
- A solid understanding of dynamic behavior of structures and the application of seismic building codes.
- Performance Based Design experience a plus.
- Technical specialization, proactivity and aggressiveness when meeting client and project needs, are pluses.
- DSA or OSHPD experience a plus
- Mentor to develop young talent
- Candidates must be proactive, possess strong organizational skills, excellent communication skills, thrive in a collaborative environment, and be client-service oriented

**How to Apply / Contact**
Apply online at [www.Walterpmoore.com](http://www.Walterpmoore.com).