



STRUCTURAL ENGINEERS ASSOCIATION OF NORTHERN CALIFORNIA

NEWS

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President's Message

By Grace Kang, SEAONC President

Year End: SEAONC Committees and Sponsorships

June marks the beginning of the summer season as well as the end of SEAONC's membership year. In this concluding President's message I would like to highlight two components of our organization: active committees and an active sponsorship program.

The active engagement and participation of committees and their offerings to our membership is rare in many professional organizations, and on behalf of the Board of Directors, I would like to thank the committees and members for their contributions to the SEAONC membership. The following is a list of a few (but certainly not all!) committee activities during the past year.

The Business Forum, chaired by Mohamed Talaat, hosted monthly presentations with topics that included effective business development, applying the "cloud" to business practices, and checking client agreements with insurance policies.

The Code Committee, chaired by Alan Robinson, was re-established this year with the purpose of reviewing content of codes and standards and engaging input from the Seismology, Existing Buildings, Construction Quality Assurance, and Sustainable Design Committees. It is the intent that informa-

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June 4th Annual Business Meeting



*Colin Blaney,
President, 2013-2014*



*Grace Kang,
President, 2012-2013*

SEAONC's June 4th dinner meeting will be the traditional Annual Business meeting. This meeting marks the close of the fiscal year 2012-2013 and kicks off 2013-2014 in style. SEAONC's honored guests for the evening will include Past Presidents; Honorary, Life, and Fellow members; and award recipients.

In addition to an overview of SEAONC's achievements over the past year, honorees for the H. J. Brunnier Lifetime Achievement Award and the Edwin G. Zacher Award will all be announced. The H.J. Brunnier Award is given annually to honor outstanding achievement in structural engineering over an individual's entire body of work and the Edwin G. Zacher Award is given for outstanding service and contribution to the profession of Structural Engineering. Two members will also be elevated to Fellow and Honorary Member status. A Fellow is designated by the Board of Directors in recognition of outstanding service to the Association or accomplishments in the field of structural engineering and Honorary Membership is awarded by the Board in recognition of person's contribution to the excellence of the structural engineering profession.

Following the presentation of this year's honors, the President-elect, Colin Blaney, will succeed President Grace S. Kang, and three new 2013-2014 Board Members and Vice President Darrick Hom will be announced and installed.

Join us for the special reception at 5:30 PM to visit with some of SEAONC's most respected members and, following our 6:15 dinner, to honor our outstanding peers.

Meeting Notices

SEAONC Annual Business Meeting

**Tuesday, June 4, 2013
@ 5:30pm**

**City Club, San Francisco
155 Sansome St., San Francisco**

Meeting Notices

SEAONC Business Forum

**Tuesday, June 18, 2013
@ 12:00pm**

**SGH, San Francisco
100 Pine St., San Francisco**

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tion from this committee can be communicated to SEAOC through the SEAONC Board.

The Construction Quality & Assurance committee, chaired by Ross Esfandari and Terry Eglund, has been working on a practical guide to concrete mix design review.

The Continuing Education Committee, chaired by Susan LaFore and Lizzie Blaisdell, has organized numerous educational and well attended seminars varying from 2-hr mini-seminars, short courses, and 2-evening Fall, Spring and Summer seminars. Topics are current and relevant to the state of our structural engineering practice and have included presentations on analysis techniques, the 2009 IEBC Seismic Design Manuals, and ASCE 41-13. Mini-seminar topics were also jointly presented with the Computer Applications Committee and Sustainable Design Committee.

The Computer Applications Committee, chaired by Srinivas Vemuri and Andrew Cussen, informed the membership of varying levels of development for BIM projects as well as tips to reduce non-linear analysis computation time. In conjunction with the Continuing Education Committee, a mini-seminar on analytical foundation considerations was presented.

The Disaster Emergency Services committee, chaired by Taka Yokoyama, conducted a successful Reserve Corps activation exercise, jointly presented a mini-seminar with AIA on ATC-20 case studies, and will provide a CalEMA Safety Assessment Program ATC-20 training session.

The Existing Building Committee, chaired by Brian McDonald, continues with the application of Plan set A, and provides a resource for SEAONC's collaboration with the City of San Francisco's Earthquake Safety Implementation Program.

The Membership committee, chaired by Caroline Tsang, updated committee recruitment pamphlets for the Fall membership meeting and updates data provided from our membership.

The Professional Practice Committee, chaired by Mark Gilligan, continues to inform our membership of the importance of communication and managing client's expectations, as well as being aware of client agreements and indemnity language in particular. In this past year, information from this committee has been shared and communicated to SEAOC through the SEAONC Board.

The Program committee, chaired by Hamid Fatehi and Ibrahim Almufti, along with Don Peoples in the Southbay, organized dinner program presentations with topics varying from prominent and unusual engineered structures in the bay area as well as recent research.

The Public Outreach Committee, chaired by Charlotte Wong, took on a new initiative this year, timed with the California Shake-Out in October 2012, where committee

members provided presentations to five high schools in the bay area, reaching out to hundreds of students and their teachers with a primer of structural engineering and seismic design information. A local home was also restored in October – this was in addition to the Rebuilding Together effort in April.

The Seismology and Structural Standards Committee, chaired by Russell Berkowitz, holds discussions regarding state of the art practice in structural engineering design and analysis as well as in related practices such as the development and appropriate use of ground motions.

The Sustainable Design Committee, chaired by Megan Stringer and Matthew Kyler, provided a joint presentation with AIA's Committee on the Environment on a holistic perspective of "green" concrete, and also presented a mini-seminar, with the Continuing Education Committee, on incorporating life cycle assessment into everyday engineering practice.

The Website Committee, chaired by Darrick Hom, culminated several years of planning, discussions, and lots of work with the launch of SEAONC's new website, which is a critical communication tool for SEAONC internally as well as to the general public. We look forward to the next phase of website implementation, which is currently being planned.

The Younger Member Forum, chaired by Mary Ferguson, continues to engage younger members in social activities and meetings with topics including professional development.

Special thanks are extended to the partners in SEAONC's Sponsorship Program. SEAONC provides our membership increased exposure to our partners, and our partners provide invaluable information and support for our programs. SEAONC looks forward to continuing and expanding this collaboration with our Sponsors who have supported us this past year:

Platinum Level:
Computers & Structures, Inc.

Silver Level:
Cast Connect
Core Brace
Nippon Steel
Star Seismic
Taylor Devices

Bronze Level:
Basalite
Calstone
CRSI
Fyfe
Hilti
ICC
Simpson Strong-Tie

2013 SEAONC Scholarships and Excellence in Structural Engineering Awards

The May 7th Dinner Meeting was dedicated to presenting the 2013 SEAONC Scholarship and Excellence in Structural Engineering Awards in a ceremony held at the City Club of San Francisco.

The evening began with the presentation of three scholarship awards presented by Past-President Peter Lee. These scholarships of \$5000 each were awarded to Neli Avramova of San Francisco State University, Miguel Rebollar of San Jose State University and Andrew Jimenez of Cal Poly San Luis Obispo.

Congratulations to each of you!

The Awards Ceremony then continued with the presentation of the SEAONC 2013 Excellence in Structural Engineering Awards. The awards were announced by the Board Committee Co-Chairs, Walterio Lopez and Michael Gemmill. A total of 14 awards of Merit and Excellence were presented to the recipients. Each award recipient had an opportunity to give a brief acceptance speech describing what made the project an "Excellent" experience for them, and as well as a chance to acknowledge those who contributed to their project and award.

Following is a brief summary of each award.

Category 1: Study / Research / Guidelines



Outstanding achievement in the development of structural engineering practice and concepts through the analysis, design, evaluation and/or testing of structures resulting in the preparation of a study, research project, guideline or reference standard. This category is intended to encompass projects or efforts that are not constructed projects.

An Award of Excellence went to Degenkolb Engineers for *Seismic Evaluation and Retrofit Guidelines for Haitian Masonry Housing*.

Mark Sinclair of Degenkolb Engineers and Tim Louis of Build Change accepted the Award.

Category 1: Study / Research / Guidelines

An Award of Merit went to Degenkolb Engineers for *Environmental and Financial Impact Seismic Analysis*.

Accepting the Award was Matthew Comber of Degenkolb Engineers.



Category 1: Study / Research / Guidelines

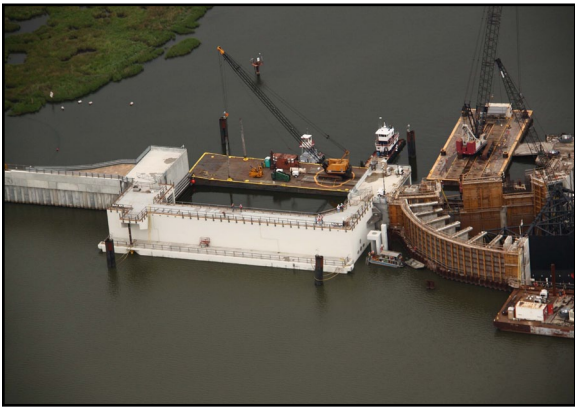
An Award of Merit went to Skidmore, Owings & Merrill for *Environmental Analysis Tool*.

Neville Mathias of Skidmore, Owings & Merrill accepted the Award.



Category 2: Special-Use Structures

Excellence in the structural engineering analysis, design or construction of a special-use structure.



Gulf Intracoastal Waterway Barge Gate

An Award of Excellence went to Ben C. Gerwick, Inc. for Gulf Intracoastal Waterway Barge Gate, New Orleans, LA.

Dale Berner of Ben C. Gerwick, Inc. accepted the Award.



Category 2: Special-Use Structures

An Award of Merit went to Liftech Consultants, Inc. for South San Francisco Ferry Terminal, South San Francisco, CA.

Anna Dix of Liftech Consultants accepted the Award.



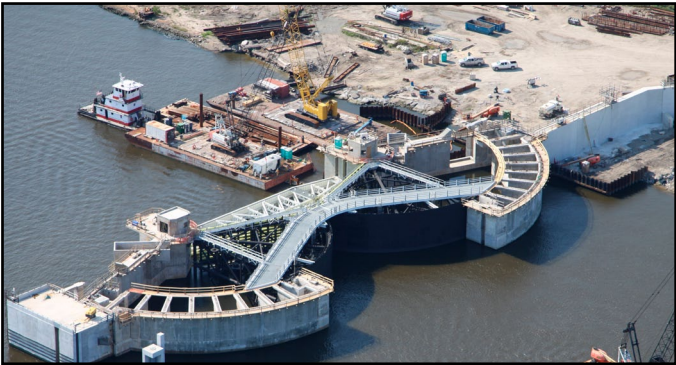
South San Francisco Ferry Terminal

Category 3: Infrastructure

For excellence in structural engineering of an infrastructure project, including but not limited to bridges, tunnels, transportation facilities and dams.

An Award of Excellence went to Ben C. Gerwick, Inc. for Gulf Intracoastal Waterway (GIWW) Sector Gate Monolith, New Orleans, LA

Dale Berner of Ben C. Gerwick, Inc. accepted the Award.



Sector Gate Monolith

Category 5: Retrofit / Alteration

For excellence in the use of conventional and/or innovative technology in the evaluation, design and retrofit/alteration of an existing structure. Includes seismic strengthening, additions and other structural building alterations.



An Award of Excellence went to Rutherford + Chekene for The New Exploratorium at Piers 15/17 San Francisco, CA

Jay Yin of Rutherford + Chekene accepted the Award.



The Exploratorium

Category 6: New Construction

For excellence in the use of conventional and/or innovative technology in the design of a new construction project.



Bing Concert Hall

An Award of Excellence went to Degenkolb Engineers for Bing Concert Hall, Stanford University, Palo Alto, CA

Ray Pugliesi of Degenkolb Engineers accepted the Award.



Category 6: New Construction

An Award of Merit went to KPW Structural Engineers for Foster City Elementary School Modernization, Foster City, CA



Ertug Yurdutemiz of KPW accepted the Award.



Foster City Elementary School

Category 6: New Construction

An Award of Merit went to Holmes Culley & Dunn Associates for Adobe Corporate Campus Salt Lake City (Silicon Slopes), Utah.



Ron Dunn of Dunn Associates and Zander Sivyer of Holmes Culley accepted the Award.



Adobe Corporate Campus

Category 7: Sustainable Design

For excellence in use of structural design, materials and concepts that demonstrates innovation, integration, and achievement of sustainable design goals.



Public Utilities Commission Headquarters

An Award of Merit went to Tipping Mar for San Francisco Public Utilities Commission Headquarters, San Francisco, CA

Accepting the Award was Leo Panian of Tipping Mar



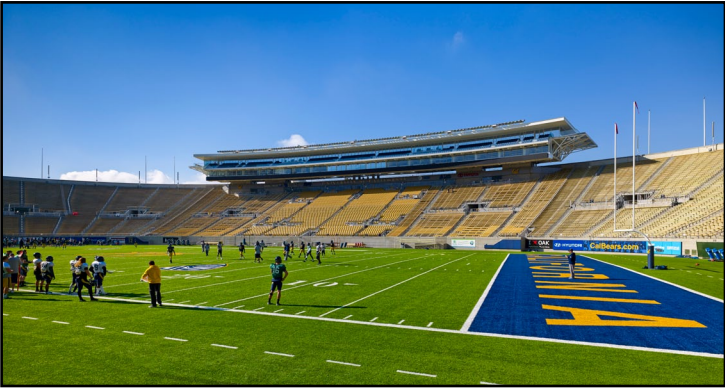
Category 8: Landmark Structures

For excellence in the structural engineering analysis, design and construction of a significant project achieving “Landmark Structure” status.



An Award of Excellence went to Forell/Elsesser Engineers for UC Berkeley California Memorial Stadium Seismic Upgrade Berkeley, CA

Rene Vignos of Forell/Elsesser accepted the Award.



UC Berkeley California Memorial Stadium

Category 8: Landmark Structures

An Award of Merit went to Skidmore, Owings & Merrill for Jinao Tower Nanjing, China



Jinao Tower

Neville Matthias of Skidmore, Owings & Merrill accepted the Award.



Category 8: Landmark Structures

An Award of Merit went to DeSimone Consulting Engineers for Regent Emirates Pearl Hotel Abu Dhabi, United Arab Emirates



Nicolas Rodrigues of DeSimone Consulting Engineers accepted the Award.



Regent Emirates Pearl Hotel

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SEAONC 2013 Scholarships Presented at Awards Ceremony!!

At SEAONC's May 7th dinner meeting at The City Club of San Francisco, SEAONC presented its 2013 Scholarship Awards. The awards were presented by Peter Lee, Board member and Scholarship Committee Chair to award recipients Neli Avramova of San Francisco State University, Andrew Jimenez of Cal Poly San Luis Obispo, and Miguel Rebollar of San Jose State University. The special evening included family and friends of the award recipients as guests in celebrating the awards ceremony



2013 Scholarship Award recipients
Andrew Jimenez, Neli Avramova and Miguel Rebollar

SEAONC's scholarship awards are intended to provide support for outstanding and high achieving individuals enrolled in undergraduate civil, structural and architectural engineering programs that are planning to pursue graduate studies in structural engineering. Candidates for consideration must be undergraduate juniors or graduating seniors.

This year SEAONC is proud to be able to award three scholarships each in the amount of \$5,000. Two of the awards are funded by SEAONC through the SEAOC Foundation. In 2004, Y. C. Yang of T. Y. Lin International made a generous contribution to the SEAOC Foundation in behalf of SEAONC which is used in part to support the scholarship program. We thank the SEAOC Foundation and Life Member Y. C. Yang for making this possible. The third award was provided through additional support from the Club Curry membership. We very much thank Club Curry for their continuing support of SEAONC and its scholarship program.

Schools invited to participate in the program this year included: Cal Poly at San Luis Obispo, San Francisco State University, San Jose State University, Santa Clara University, Stanford University and the University of California, Berkeley. Each school may submit up to two candidates for consideration by the Board appointed scholarship committee.

The following are brief introductions of this year's scholarship award recipients.

Neli Avramova – San Francisco State University

Neli is in her fourth year at San Francisco State University pursuing a Bachelor's Degree in Civil Engineering focusing on core structural engineering course work and plans to graduate in December 2013. Involved in extracurricular research projects, she hopes to present results of research on Real Time Hybrid Simulation being conducted under the direction of Professor Cheng Chen at an upcoming conference this year. Neli Avramova has demonstrated a unique "passion" for the profession of structural engineering and plans to pursue a post-graduate degree.

Andrew Jimenez – Cal Poly San Luis Obispo

Andrew will graduate in June with a Bachelor of Science in the major of Architectural Engineering in the College of Architecture and Environmental Design at California Polytechnic State University at San Luis Obispo. With a strong academic record in structural engineering course work, he has developed a passion for earthquake engineering following travelling to Haiti last year on a student project to help rebuild portions of a damaged church. Dedicated to extracurricular pursuits including hosting his own radio show, Andrew Jimenez is a board officer of Cal Poly's SEAOC student chapter, and has been accepted into the masters program in Structural Engineering at University of California, San Diego – starting in the fall.

Miguel Rebollar – San Jose State University

Miguel will graduate in December from San Jose State University with a Bachelor's Degree in Civil Engineering with a focus on structural engineering. While maintaining a high academic performance, he has demonstrated remarkable pursuits in his dedication to professional activities, public outreach and community involvement including mentoring students in programs such as, an Engineering Ambassador Program Student Coordinator, and as a mentor to East Bay teens in a summer STEM – Science, Technology, Engineering, and Mathematics camp. Miguel Rebollar plans to further develop his strengths and knowledge of structural engineering to pursue a masters and PhD research program in the field of soil-structure interaction, as well as, pursue a career as a professional engineer and professor.

Congratulations to all!!!

SEAONC 2013 Summer Seminar

State of the Art Serviceability Design – Ensuring Functionality and Avoiding Occupant Discomfort

Wednesdays, June 12th and 19th, 2013

6pm to 9pm

PG&E Auditorium, San Francisco

First Evening

Serviceability Considerations for Wind, presented by Michael Willford, CEng

Cladding for Structural Engineers: A Practical Overview, presented by Steve Marusich, SE

Vibration Essentials for Practicing Structural Engineers, presented by Chris Papadimos and Roman Wowk

Second Evening

Estimation of Acceleration Demands for Nonstructural Components, presented by Eduardo Miranda, PhD

Seismic Bracing of MEP Systems per the ASCE 7-10, presented by Marlou Rodriguez, SE

Seismic Qualification of Equipment: Putting into Practice, presented by Ali Sumer, PhD, SE

Presentation Abstracts:

Serviceability Considerations for Wind

This presentation will focus on the serviceability considerations associated with wind-induced motions of tall buildings. The topics covered will include:

- The dynamic nature of wind
- Dynamic forces on buildings due to wind including buffeting and vortex shedding, and the prediction of dynamic response
- Human perception and tolerance of lateral motions and the historic development of acceptance criteria
- How design choices affect perceptibility of motions
- Typical strategies to reduce perceptibility

These topics will be illustrated by case studies for some real buildings around the world.

Cladding for Structural Engineers: A Practical Overview

Integrating cladding systems into the overall structural design can be challenging for many buildings. This presentation will provide a practical overview of cladding from a structural engineer's perspective. Specific topics will include design requirements, support requirements, deformation compatibility, tolerances, and specifications for common cladding systems.

Vibration Essentials for Practicing Structural Engineers

This seminar will use project case studies to outline vibration essentials for the practicing structural engineer. First current industry standards and trends will be discussed

that can be used in the proper selection of vibration criteria for different types of facilities and spaces. Then case studies of successfully completed projects will be used to demonstrate the value of using empirically correlated analysis tools including finite element methods to develop design solutions. The presentation will address among others ground vibration, structural amplification, walking induced vibration, the need for proper planning, as well as identify some remaining challenges and ways forward.

Estimation of Acceleration Demands for Nonstructural Components

A summary of the results of a comprehensive study of floor acceleration demands on nonstructural components will be presented. The presentation will include the main parameters that control the amplitude and characteristics of acceleration demands on nonstructural components in buildings. The presentation will cover how to estimate the amplification of peak ground acceleration (PGA) to peak floor acceleration (PFA) and the variation of this amplification or deamplification along the height of the building. Using very simple models, it will be shown that this amplification, similarly to the one that occurs in single-degree-of-freedom systems is strongly influenced by the period of vibration of the system. It is shown that higher modes play a much larger role in the estimation of PFAs than for other response parameters. Then, the estimation of acceleration demands in flexible components will be covered. Comparisons with records obtained in instrumented buildings will be presented and discussed. Some comparisons with how acceleration demands are estimated in approaches used today by structural engineers such as ASCE 7-10 or HAZUS will be presented along with some suggestions on how to improve them.

Seismic Bracing of MEP Systems per the ASCE 7-10

Mechanical, Electrical and Plumbing (MEP) utilities are essential to the functionality of a building. During an earthquake, the building may have resisted seismic forces, but it may not be functional due to damage of the MEP systems. Pipes may have broken and flooded areas of buildings. Emergency power generation systems may not function due to disruptions in the utilities that service them. Businesses may be temporarily disrupted due to these damages. During an earthquake millions of dollars may be associated with damages of MEP systems. The current building codes have provisions that allow essential MEP systems to keep functioning during and after a seismic event. This presentation will outline what is required per the building code for seismic bracing and anchorage as it relates to MEP systems.

Seismic Qualification of Equipment: Putting into Practice

An implementation overview is provided for seismic qualification of equipment. This overview addresses the building code requirements, the engineer of record's roles and responsibilities and current enforcement. Examples of qualification processes and shake table tests are presented. Possible implementation issues that a design professional may across regarding qualified equipment support and attachments are also briefly discussed.

[Register online at the new SEAONC website.](#)

Rebuilding Together 2013

By Kate Coffaro and Charlotte Wong, POC Co-Chairs

Rebuilding Together is a national organization that provides free renovations to low income seniors and nonprofit facilities throughout the local area. Every year SEAONC teams with the organization to sponsor a project. This year's SEAONC Rebuilding Together project was the renovation of A Woman's Place, a community facility located in San Francisco's South of Market district. The facility is an emergency shelter for homeless women and victims of crimes such as domestic violence and sexual assault.



The goal of A Woman's Place is to provide a bright environment for women in need, but its aging interiors seemed to reflect the contrary. As volunteer captains, we were determined to lead the SEAONC volunteers in our endeavor to renovate the facility. Our first task was to meet with the facility directors and the Rebuilding Together Construction Captains to plan the scope of work. We decided that the main tasks would include painting, cleaning, performing basic repairs, and building new shelves for better organization.

We organized a prep day on April 20th, where a group of about 12 SEAONC volunteers cleaned and prepped the walls throughout the building to get ready for painting on the following weekend. April 27th was the actual Build Day, and about 70 volunteers from SEAONC and other organizations such as UC Berkeley, Stanford and EERI collaborated to give the facility a brand new interior. Eight eager volunteers agreed to lead task teams on Build Day, and these are the summaries of their accomplishments (in their words):

Organization Team, Melissa Vickery

The Organization team took on the challenge of cleaning up and organizing the basement storage room. We were able to sort and label all the donated bath products (it's amazing how many tiny shampoos and conditioners are donated by local hotels!) and build a new shelf to house all of the organized items. By the end of the day everything was labeled and stored by category, hopefully making it easier for the employees to find what they need next time they head in there to find something.

Basement Paint Team, Tim Hart

An enthusiastic team of 12-13 volunteers took on the unenviable role of spending a glorious Spring Saturday working in a windowless basement with no ventilation, but they embraced this challenge and in the process transformed a drab and dusty dining hall into a clean and shiny gathering space. The team taped and applied the primer to all of the walls in the hall in record time. While the primer dried with the help of three industrial fans, the crew enjoyed their pizza lunch, then returned to apply two fresh coats of paint to these same walls. After everything was cleaned up, the transformation was complete and there were smiles all around for a job well done.

Stenciling Team, Paige Hill

We had a small but dedicated team of three tasked with painting the logo at the entrance of A Woman's Place. After washing the exterior wall, tracing the larger than life logo, and finally doing our best to paint inside the lines, we found the final product awe inspiring. What an honor it was to be a part of this particular project and support the services that A Woman's Place provides for our community.

First Floor Semi-Skilled Team, Peter Grossman

The semi-skilled crew, also known as the modify blinds crew, did just that. We removed all the damaged blinds in the large front room, and picked the two best to salvage and move, placing them strategically to shut out unwanted streetlamp light from the area. We also moved two vending machines, assisted in the painting and found a few things to patch/repair/clean-up that weren't on the list. I think seeing this shelter and hearing of the good work it does really opened the eyes of my team members to a piece of the world they know little about.

First Floor Paint Team, Alan Roberts

The first floor paint crew was responsible for repainting the entry area and drop-in area, as well as touching up some of the rest of the first floor. Most importantly, the painted windows in the drop-in area were repainted to give the women a bit more privacy, as the windows look out onto street level. The new paint and lighting fixtures in the entry really help the facility to shine.

Second Floor Paint Team, David Martin

Our team was charged with brightening the second floor with fresh paint and a little love. Our team saw what needed to be done and banded together with little direction to make this happen in a very short time. It was inspiring to see young engineers donating their time to improve "A Woman's Place." Thank you to all of the volunteers & staff who worked so hard with such great attitudes.

Third Floor and Roof Team, Bryan Bindrich

The roof team had a busy morning cleaning, painting and picking tens of thousands of cigarette butts off the roof. In addition to cigarette butts we came across trains, jewelry and the one and only Goofy! In the afternoon we finished off the painting and built shelves to help organize a closet. It was a great team that managed to accomplish a lot, even if most the time was spent standing around picking butts.

Miscellaneous Repairs and Future-Proofing Team, Andrew Shuck

I had the pleasure of working with a great team to help make sure that the facility would be easier to maintain and that it would look nice for a longer time. Sara, Paul, Marko, and I repaired a number of different faulty finishes, installed doorstops to protect the walls, and helped out with the painting when we could. It was another fantastic Rebuilding Together project and we're all looking forward to helping out next year as well.



Thank you to these task team captains, our paint supply manager Andrew Ma, safety captain Jaclyn Lee, our Construction Captains Rashel and Val and to the other volunteers for your time and effort. Thank you also to our sponsors. The monetary support from SEAONC, engineering companies, and individuals played an important part in completing this project. Without their support, the supplies needed to renovate the facility could not have been purchased. We know that the efforts of SEAONC and Rebuilding Together will help the facility to provide a safe and secure environment for the women who use its services.

To see more photos from the event, go to <https://www.dropbox.com/sc/sbav7ghsji5ood3/i5ssy8QZzQ>

YMF Spotlight: Tim Nelson

By: Melissa Vickery

The YMF spotlight article this month features Tim Nelson, Design Engineer at Degenkolb Engineers and recently "retired" YMF Treasurer. Tim graduated from Tufts University with a B.S. in Civil Engineering. He liked Boston so much he stuck around to get his masters there too. Tim served as a teaching assistant while diligently working on a thesis



involving earthquakes (who's heard of those on the east coast?). After graduation in 2007 his love for adventure and seismic engineering brought him out west to Degenkolb Engineers in San Francisco.

When he first moved out to the Bay Area Tim decided to get involved with YMF as a way to meet other people. He soon became treasurer

where he happily stayed for 4 years. When I asked him why he stuck around so long he said "As an east coast transplant it's not always easy to meet people, so I joined originally for the social aspects of YMF, but I stayed around for all the other things. Being on the committee, as treasurer, gave me the opportunity to learn about budgets and management. It helped me learn how a meeting should be run and exposed me to a lot of other professionals within the organization of SEAONC. It's a great way to build friendships with members of other firms and connect for future work in other committees." He encourages others to get involved for just those reasons. Many of the people he met when he first got involved are now friends and colleagues he sees at other professional events. Tim wrapped up his duties as YMF treasurer in 2012. Since then, he's been involved with the ASCE 41-13 development process (maybe you saw him at the SEAONC Spring Seminar?) and acts as the Secretary for the SEAONC Seismology Committee.

Since Tim first started working, he's had the chance to work on many different kinds of projects in many places. He's had his hands on historic retrofits, plenty of ASCE 31 and 41 evaluations, some museum exhibit support structures, and even worked on designs using FRP. He's worked on projects in Oregon, Nevada, and Utah as well buildings in the Bay Area. If you get the chance, go see what he's worked on locally at the Walt Disney Family Museum in the Presidio (hint: Tim's the reason that the train hangs so nicely).

Lately Tim's been doing a lot of excavation shoring and construction means and methods work. I asked him what that's been like: "New engineers can go a while without seeing anything they work on get built. Sometimes funding isn't there anymore, or sometimes our evaluations show that retrofits aren't necessary. Shoring is on the other side of things; it's usually the last thing to get designed and one of the first things installed on site. The problem solving aspects of these projects are almost in real time, and the construction goes very quickly. Many times, you are working directly for the contractor, which allows for unique collaborative ef-

forts to get the job done. " It seems like Tim really enjoys this kind of work and sees it as part of his future. When I asked him what else he'd really like to do, he said teach. Not full time, but he has very fond memories of his time as a teaching assistant in graduate school. He could see himself working as an adjunct professor of some sort within the structural engineering field.

Outside of engineering, Tim is the president of the local Tufts Alumni chapter. It's the way he stays connected with the other coast when he can't travel back to visit family and friends as often as he'd like. Tim has also been playing the piano for many years. His parents knew he liked the piano before he even started playing. He now plays weddings and other events on weekends, and he has a digital piano in his apartment. There's even a rumor he once recorded a Christmas Album for his family members to enjoy at the holidays. Last year Tim decided to switch up his commute and got a bike. Now he really looks forward to his daily ride. Tim also looks forward to nice weather in San Francisco so he can walk to brunch places in his neighborhood, play a game of tennis, or take advantage of the closed streets in Golden Gate Park.

Tim and his wife Sara live in Laurel Heights in San Francisco. Like so many of us San Francisco renters, they'll never move! (Until they win the lotto and buy a house with a yard somewhere).

YMF Spotlight is a bi-monthly article, highlighting some of the talented young personalities that characterize the SEAONC Community. If you would like to nominate a young engineer with an interesting perspective to share, please email Melissa Vickery mwickery@degenkolb.com



CalEMA Safety Assessment Program (SAP)/ATC-20 Post Earthquake Safety Assessment of Buildings Training

Date / Time: Saturday June 22, 2013

Location: Locatelli Student Activity Center, Santa Clara University, CA

Registration: 8:00 - 9:00 a.m.

Seminar: 9:00 - 4:30 p.m.

Breakfast, lunch & an afternoon snack will be served during registration and break.

Register online here at the new SEAONC website.

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 Emergency Management Agency (CalEMA) with cooperation from professional organizations, including SEAOC. CalEMA will issue Disaster Service Worker (DSW) ID cards to all professionally licensed volunteers who have completed the training. Those who are not yet licensed as engineers will just receive a certificate and may contact CalEMA upon licensure to receive the DSW ID card.

The purpose of the CalEMA Safety Assessment Program (SAP) is to help local government perform post earth- quake, wind, flood, or blast safety evaluations as quickly after an event 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 California Emergency Management Agency. Attendees receive a workshop proceedings binder and ATC- 20 documents.

June Business Forum

DATE and TIME
Tuesday, June 18, 2013
12:00 pm – 1:30 pm

LOCATION
SGH
100 Pine St
San Francisco

TOPIC
“Overcome the Social Media Disconnect:
Using Today’s Technology to Manage and Deliver Your
Brand Message.”

Synopsis

Because of the unique challenges that firms in the Engineering space have faced as they fought through the recession, many firms have let their focus drift from managing their overall image and branding elements. As a result a chasm has developed between Engineering firms and the way their services are viewed in today’s market. A disconnect exists between what they are trying to communicate about the work they do and the message that is actually being communicated. In addition, many firms have completely ignored social media and other technologies as a tool in promoting their brand. In this month’s forum we will discuss these issues specifically and focus on the following topics:

Learning Objectives

- Understand the relevance of Image and Brand: how deliberately refining them positions firms to get work.
- Understand how consistency across your branding elements plays a key role in driving your Image.
- Consider how social media interaction has changed the way in which marketing information is distributed and received.
- Discuss strategies for directing social media interaction toward relationship building and future business.

Bio: Rich Jones | Invision
Rich Jones is an executive with Invision Business Consulting and Research. Invision works with many top U.S. and International Design and Engineering companies to develop and implement actionable growth and brand strategies. Rich has over a decade of experience in technology and construction related fields, and speaks strictly to clients in the Architectural, Engineering and Construction industry. This exclusivity, and his understanding of recent industry and technology changes, allows Rich and his team at Invision to develop Image Solutions that speak directly to the target audience of AEC firms.

Cost: \$25 Business Forum Members
\$35 SEAONC/ AIA Members
\$40 Non-Member

Pre-register online here at the new SEAONC website.

Job Forum

DeSimone Consulting Engineers, an international structural engineering firm with five domestic and three international offices, has an immediate opening for an engineer or project engineer in our San Francisco office. The ideal candidate will have 1-4 years of experience in building design, analysis, and project management. A P.E license is preferable. The candidate will develop structural designs for a variety of projects, working closely with a project manager. The work requires independent problem solving, decision making and the implementation of standard engineering procedures to direct the flow of engineering work. A more experienced candidate should be capable of coordinating structural engineering designs with the client, project architects, and other design team members. Strong written and verbal communication skills and the ability to work collaboratively in an open office environment is a plus. Please visit our webpage at www.de-simone.com. Benefits include competitive salary, matching 401k plan, PTO, holiday pay, and continuing education reimbursement. Please email your resume to nicolas.rodriques@de-simone.com.

Estructure - Structural Engineer - In 2000, after nearly 20 years at a large Structural Engineering firm, I started Estructure to strike a different life/work balance. I wanted to provide personal service to clients, do great work, be “hands on” and collaborate with other extraordinary design professionals. In addition, I wanted to raise a family (as a single parent), spend more time with my children and enjoy life. I have a thriving practice and two (nearly) grown kids....and I love what I do. Estructure has room to grow with the right people. If you are like-minded and interested in a fresh start with limitless opportunity, please consider joining me. Estructure provides structural engineering services for hospital renovations, seismic evaluation of existing buildings, and seismic protection of nonstructural components. Job Requirements: Minimum requirements: MS or MEng in Structural Engineering, superior written and oral communication skills, excellent technical capabilities, client focus, flexibility, team approach. Contact us about this job by sending email to mphipps@estruc.com

OBEConsulting Engineers We measure our success by the effective use of available funding to achieve maximum value while improving critical infrastructure for our clients and our communities. As our company marks its 45th year, we’ve renewed our commitment to deliver economically advantageous, sustainable solutions. OBE exists to provide safe and efficient transportation systems and infrastructure that enhance our region while providing responsible stewardship of public funds. We are one of the few firms in Oregon with in-house capabilities to support every stage of infrastructure projects – from project management, permitting, design, and engineering through construction management. Senior Bridge Engineer - Seismic Retrofit OBEConsulting Engineers is a full-service consulting engineering firm providing transportation and municipal infrastructure design and construction engineering services. You can learn more about us at www.obec.com or by reading about us in the Fall 2012 issue of Aspire magazine. Our Bridge/Structures Division is seeking an expert in seismic retrofits, who is a detail-oriented individual to fill a Senior Bridge Engineer position. The person in this position will lead and assist with complex work on specialized transportation-related structures, engineering projects and technical tasks. This work requires the successful candidate to independently perform simple to complex structural design and analysis, and complete specific marketing assignments and

project coordination/management tasks while functioning as an engineering contributor on Bridge/Structures projects. Job Requirements: Education/License Requirements: A Bachelor’s degree in Structural or Civil Engineering; PE or SE and ability to obtain Oregon license directly or by comity within 6 months. The person in this position will be required to have: Minimum of eight (8) years’ professional experience that includes: relevant, transferable design, and/or project experience as a senior design engineer. Minimum of four (4) years’ experience with structural design of seismic retrofits for bridges required. Required skills & experience: At OBEConsulting Engineers, the Senior Structural/Bridge Engineer coordinates design development; assists in providing technical leadership to the design team on bridge/structures projects; and provides senior-level technical expertise on all project aspects associated with conceptual engineering, detailed engineering designs, and preparation of contract documents for construction. • Plan and design conventional and complex bridge projects. • Engineering support for construction of bridge projects. Contact us about this job by sending email to tjennett@obec.com Learn more about OBEConsulting Engineers by visiting our website.

City of San Mateo The City of San Mateo Community Development Dept. is seeking a Plan Check Engineer (Salary: \$7,597 - \$9,063/ mo. + excellent benefits). Please visit our website for more information on the position and to apply. All applicants must submit a completed City of San Mateo employment application, résumé, and supplemental questionnaire online at www.cityofsanmateo.org. EOE. Final filing date is May 20, 2013 or upon receipt of the first 100 applications whichever occurs first. Plan Check Engineer To review all commercial, industrial, and large multi-residential buildings and development plans for structural integrity and compliance with applicable code and permit requirements, and to do related work as required. Receives direction from the Building Official or assigned qualified personnel. May exercise technical and functional supervision over technical and clerical building inspection staff. Job Requirements: Minimum qualifications: Three years of increasingly responsible experience in building structural design and/or structural plan checking; equivalency of a Bachelor’s degree with major work in civil, mechanical, or structural engineering, architecture, or a closely related field. Must be a registered professional engineer in the State of California and possess a Plans Examiner Certificate issued by the International Code Council, or other state, national or international association. Contact us about this job by sending email to calopps@cityofsanmateo.org Learn more about City of San Mateo by visiting our website.

Peoples Associates Structural Engineers is seeking new Graduates for Assistant Engineer positions Assistant Engineer We only add a couple of entry-level Structural Engineers each year to our deep and stable engineering staff. Job Requirements: Our projects are challenging and diverse so all of our engineers are technically strong and thrive in a team-oriented environment in the South Bay. If you are a match, then we would like to hear from you. Master’s degree and BIM experience a plus. For experienced Structural Engineers— if you have proven skills and performance, we are always ready to discuss how you may fit at Peoples Associates. Send us a resume and we can have a conversation. Contact us about this job by sending email to mail@pase.com

Pending Members

Associate

Keith Palmer, Senior Staff II - Structural Engineering, SGH

Henry Yeung, Project Manager, Henry Yeung

Amirhossein Mohseni, Paradigm Engineering Inc.

Kellen O’Connor, Cushing Associates Inc

Member

Marcus Oden, CEO/President, Fortress Structural Engineering

Adam Ridge, ABB Inc.

Member SE

Eric Pai, Structural Engineer, FunWatt

Claire Moore, Associate, Rutherford & Chekene

Student

Jonathon Tai, San Francisco State University

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March 1, 2013

Dear Colleagues,

As you know, Joseph Penzien, a man whose lengthy and prolific career forever shaped the course of earthquake engineering, passed away recently. In honor of his life and immeasurable contributions to the field, the Joseph Penzien Graduate Fellowship Fund has been established at the University of California, Berkeley. While honoring Professor Penzien, this fellowship will ensure that deserving students who show promise in the fields of civil and earthquake engineering will receive the support they need to pursue higher education. Professor Penzien came from humble beginnings and greatly benefited from the kindness of others, and we know this cause would mean a great deal to him.

We invite our colleagues around the world to make a contribution to this fund in honor of Professor Penzien's lifetime of achievement. All amounts are appreciated, but if you are able to make a donation of \$5,000 or more before June 30, 2013, Computers & Structures, Inc. will proudly match it, dollar for dollar.

To make a contribution, please send a check to:

Enid C. Pollack, Sr. Development Director
UC Berkeley College of Engineering
210 McLaughlin Hall, College of Engineering
Berkeley, CA 94720-1722.

Please make checks payable to UC Berkeley College of Engineering and write on the memo line: "Joseph Penzien Fund / CSI Match." Ms. Pollack can be contacted by phone at 510-642-2257 or by email at epollack@berkeley.edu.

We sincerely appreciate your consideration of this noble cause. It is our personal goal to raise \$200,000 for Professor Penzien's fund and we know, with your help, it can be done.

Sincerely,

Edward L. Wilson
Professor Emeritus
University of California, Berkeley

Ashraf Habibullah, S.E.
President & CEO
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JUNE

- 4TH **ANNUAL BUSINESS MEETING**
CITY CLUB, SAN FRANCISCO
- 12TH & 19TH **SEAONC SUMMER SEMINAR**
PG&E AUDITORIUM, SAN FRANCISCO
- 18TH **BUSINESS FORUM MEETING**
SGH, SAN FRANCISCO
- 22ND **SEAONC SAP ATC-20 TRAINING**
SANTA CLARA UNIVERSITY, SANTA CLARA

SEAONC ANNUAL BUSINESS MEETING JUNE 4, 2013

Dinner Meeting 6/4

CITY CLUB
155 SANSOME ST
SAN FRANCISCO
5:30 PM

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____ FAX _____

***Early-Bird Registration ends Thursday, May 30th**

Register early, seating is limited. No cancellations after deadlines listed above. No-shows are still responsible for full attendance fee.

Cost -Monthly Meeting

	Early-Bird Reg.	Late Reg.
SEAONC	<input type="checkbox"/> \$39	<input type="checkbox"/> \$44
Junior Member	<input type="checkbox"/> \$33	<input type="checkbox"/> \$38
Student	<input type="checkbox"/> \$15	<input type="checkbox"/> \$15
Non-Member	<input type="checkbox"/> \$44	<input type="checkbox"/> \$49

- Paying by check make payment to SEAONC.
- Paying online (monthly meeting only) go to SEAONC.org
- Paying by credit card provide the following:
(SEAONC Accepts VISA, MC, AMEX)

Credit Card#: _____

Expiration date: _____

Signature: _____

Registration