ENGAGEMENT COMMITTEE PRESENTATIONS

January 20, 2021
WELCOME!

• Submit your text questions and comments via chat
• Submitted questions will be addressed after all committee chairs have presented
• The live Q&A will end when all submitted questions are addressed but no later than 1 p.m. PT.
• Any remaining questions will be addressed via email (office@seaonc.org) after the event.
AGENDA:

1. Engineering Alliance for the Arts
2. Continuing Education Committee
3. Young Members Forum
4. Hensolt Legacy Committee
5. Business Forum
6. Programs
7. Membership Committee
8. SE3
9. Public Outreach Committee
10. Bylaws
ENGINEERS ALLIANCE FOR THE ARTS
MICHELLE LEHMAN, EXECUTIVE DIRECTOR

Committee Presentations
January 20, 2021
Inspire and educate students about the interaction of art, architecture, engineering and construction.
PILLARS OF THE STUDENT IMPACT PROJECT

- Architecture and Engineering Awareness
- Teamwork and Collaboration
- Communication and Public Speaking
- Exposure to Technical Professionals
VOLUNTEER... AND HELP FIND THE NEXT GENERATION OF ENGINEERS.
## Engineer a Brighter Future for Local Students

<table>
<thead>
<tr>
<th>Volunteer</th>
<th>Practical Design Experience</th>
<th>Showcasing Art and Design</th>
<th>AEC Industry Interaction</th>
</tr>
</thead>
</table>
| • Introduce High School Students to Engineering  
• Eight week course  
• Fully developed curriculum  
• Preparation + Instruction = 1-2 hours time per week | • Real-life scenario & design constraints  
• Create a bridge model  
• Visually observe engineering principles in action | • Hand sketches  
• Aesthetic flexibility in design  
• Test designs empirically  
• Creativity in design distinguishes bridge | • Work in small groups with an engineer/architect volunteer  
• Research assignment on real-life engineering careers  
• Q/A with industry volunteers |
FINAL DESIGN PACKAGE

Bridge Design Sketch

Bridge Design file

Written Essay

1½ to 2 minute presentation
## QUANTIFYING OUR IMPACT

<table>
<thead>
<tr>
<th>Statement</th>
<th>% “Agree” Before EAA Program</th>
<th>% “Agree” After EAA Program</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAA offers a chance for me (students) to participate in a meaningful program</td>
<td>62%</td>
<td>82%</td>
<td>+20 Points</td>
</tr>
<tr>
<td>I know how math and science can be applied through engineering.</td>
<td>72%</td>
<td>84%</td>
<td>+12 Points</td>
</tr>
<tr>
<td>I have an understanding of what architects and engineers do in their careers.</td>
<td>57%</td>
<td>78%</td>
<td>+21 Points</td>
</tr>
<tr>
<td>I have an understanding of how engineering and design decisions impact the world around me</td>
<td>74%</td>
<td>87%</td>
<td>+13 Points</td>
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CONTINUING EDUCATION
JONATHON TAI, CHAIR

SEAONC Committee Presentations
January 20, 2021
Committee Vital Statistics

Meetings – typically last Thurs of the month,
• ~12:30-1:30pm

• ~10 Active Members

• 1-3 hrs per month
Previous Webinars

- Wind Design Manual
- Dampers
- 2019 CBC Code Updates
- ACI 318-19 Updates
- Retrofit and Repair
- FEMA P2006 ASCE 41
Committee Charges for 2020-2021:

**Purpose:**
To provide continuing education opportunities to the structural engineering community of Northern California through the organization of technical seminars that highlight code changes, useful design and analysis procedures, and bring light to emerging and innovative technologies in the field.

**Overall Goals:**
- Organize three key technical webinars throughout the year, primarily in the Fall, Spring, and Summer
- Organize several short webinars on a variety of topics within structural engineering and relevant related fields.
- Organize a webinar(s) for the year that focuses in depth on a specific practical topic in structural engineering
- Provide opportunities for experts in the field to share and disseminate their work and research to the larger practicing and academic communities of structural engineering
- Provide members of the engineering community and related industries opportunities to learn more about relevant procedures, common challenges, innovative projects, emerging technologies, etc.
Upcoming Webinars!

- ASCE 7 Irregularities
- Floor Vibration Design and Analysis
- CBC 2019 OSHPD Updates
- And more…

Come join our committee and decide what you want to learn about.
How People Can Reach Me

Lori Jue, Jonathon Tai, Lindsey Keonig

cec@seaonc.org
jon.tai@hok.com
YOUNG MEMBERS FORUM (YMF)

MEGAN AUGUST, CO-CHAIR
MICHAEL CHENG, CO-CHAIR

Committee Presentations
January 20, 2021
COMMITTEE FACTS

- Committee Meetings – Monthly (Date/Time/Location Varies)
- PowerPints – Monthly happy hours
- YMF Presents – Quarterly educational presentations
- Large Socials – Fall (Oktoberfest), Winter, Spring, Summer (Giant’s Game)
- PE Info Sessions – Spring and Fall (Around Registration Deadlines)
- Site Tours – When possible
EXAMPLES OF COMMITTEE’S WORK

PowerPints

Local Bars (Pre-COVID)  Virtual Trivia & Game Nights
EXAMPLES OF COMMITTEE’S WORK

Site Visits

Chase Center (Warrior’s Arena) – 2018

UCSF Mission Bay – 2019
EXAMPLES OF COMMITTEE’S WORK

Oktoberfest (Largest Social Each Year)
COMMITTEE CHARGES FOR 2020-2021

• Aid in engaging current and new membership
• Collaborate with SEAONC committees and organizations
• Support university outreach
EXCITING NEW INITIATIVES

• Winter Social with SEAOSC YMF and ASCE YMF – Thursday, January 28th
• Social SEAONC Monthly Meeting – April 2021
WANT TO GET INVOLVED? CONTACT US!

**Co-Chairs:** Megan August and Michael Cheng  
**Vice Co-Chairs:** James Gaitan and Rachel Chandler  
**Treasurer:** Ashley Waite  
**Promotional Chair:** Jack Wegleitner

Email us to be added to our newsletter list. ymf@seaonc.org or seaoncymf@gmail.com

Follow us @seaoncymf
SEAONC LEGACY COMMITTEE
Reinhard Ludke  S.E., Chair

contact:
Reinhard.Ludke.SE@gmail.com

Committee Presentations
January 20, 2021
COMMITTEE FACTS

• **Scheduled Meetings**
  Wednesday @ 5:00 pm  January 20, March 18, May 19

• **Active Committee Members:** R. Ludke, D. Hom, M. Davies, G. Kang, N. O’Hearne, J. Pyun, E. Hirsch, K. Briggs

• **Work of the Committee:**
  Document SEAONC History: Research, Write, Edit, and Post to Legacy Web site ENGINEERS; PROJECTS; PROFESSIONAL ORGANIZATIONS; TECHNICAL LEADERSHIP

  [https://legacy.seaonc.org](https://legacy.seaonc.org)

Legacy Committee
ENGINEERS & PROJECTS

Legacy Committee – SEAONC History
SEAONC PROJECTS
SEAONC PROJECTS

Legacy Committee – SEAONC History
SEAONC PROJECTS

Legacy Committee – SEAONC History
COMMITTEE CHARGES FOR 2020-2021

• Research, Write, Edit & Post SEAONC LEGACY: ENGINEERS, PROJECTS, HISTORY

• Publicize and Present SEAONC LEGACY to members and public

• Connect local University students to SEAONC LEGACY

• Research, Write & Publish SEAONC national contributions to Structural Engineering Methods, Solutions, and Products
NEW INITIATIVE IN 2021

• SEAONC Structural Engineers have been respected International technical leaders since 1940  Our members are recognized as the best educated, and as experienced, knowledgeable and innovative Structural and Earthquake Engineers. Legacy Committee members, with support from local engineers, are documenting the history of SEAONC members that led the research and development of structural engineering methods and seismic performance structure systems that are now universally specified in building construction. The history of the people and their products will be posted on the web site: LEARN AND CONTRIBUTE TO THIS HISTORY:

✔ The Finite Element Method 1952 – 2020
✔ Base Isolation of Structures 1974 – 2020
✔ Special Steel Moment Resisting Frames 1989 – 2009
✔ Non-linear dynamic analysis of structures 1976 - 2020

Legacy Committee
GET INVOLVED? CONTACT US:

Chair: Reinhard Ludke, S.E
Reinhard.Ludke.SE@gmail.com

Past Chair: Darrick Hom, S.E.
dbhom@estruc.com
COMMITTEE FACTS

• Next Meeting: Tuesday, 1/26, 5:30pm

• Commitment only to plan specific events you are interested in

• Great way to meet and work with architects, contractors to plan cross-organizational events
COMMITTEE CHARGES FOR 2020-2021

• Plan and host meaningful events
• Create relationships with other AEC organizations
• Improve and Support each other
EVENT IDEAS

Meaningful Marketing in the age of COVID and Beyond

How to Bring Value and Avoid Commoditization (Low Fee)

Project Management – Teaching/Mentoring Staff While Managing Own Time

Small Firm Roundtable

How to First Get Started with Business Development

Common Contract Issues

How to Run an Effective Meeting

Tools for Distributing Work and Utilizing Staff Efficiently

And more…

Business Forum
GET INVOLVED? CONTACT US:

• Jeffrey Zhang, current chair
  • Jeffrey.zhang@kpff.com

• Susan LaFore, SEAONC board liaison
  • S.LaFore@forell.com
PROGRAM COMMITTEE
BADRI PRASAD, CHAIR

Committee Presentations
January 20, 2021
MISSION

- Showcase Structural Engineering topics and projects of interest to members
- Provide networking opportunity on a monthly basis
COMMITTEE FACTS

• Meetings – once a month typically – now flexible due to Covid-19

• Number of Committee Members - currently 2

• Average Hours per Month Commitment- 2-4 hours typically – now flexible due to Covid-19

• Other pertinent information – Helps to develop Presentation, Communication and Interaction skills,
COMMITTEE CHARGES FOR 2020-2021

- Provide 4-6 webinars on interesting projects or other topics

- Consider programs more valuable for small firms

- Consider topics on non-building markets
EXCITING NEW INITIATIVES

- Virtual Project Site Tour
- Present Projects from SEAONC Excellence in Engineering Awards

Program Committee

WHAT ARE WE DOING?

The Program Committee organizes the monthly programs for the general membership meetings. The committee is responsible for:

- Scheduling guest speakers
- Running the monthly programs,
- Providing announcements and summaries for the Newsletter
- Maintaining a list of past and potential subjects of interest to the general membership.

A South Bay Program committee organizes meetings for the South Bay.

UPCOMING EVENTS

Bridge to Prosperity Webinar on February 8
Speakers: Devin Connel Nicola Turrini

ARE YOU INTERESTED?

If you are interested in SEAONC Program Committee, we always welcome you. We are waiting for your involvement and contribution.

CONTACT INFORMATION

Contact the committee at:
program@seaonc.org
sbprogram@seaonc.org (South Bay Program)

Contact a committee member:
Badri Prasad Badri@OLMM.com
Marguerite Bello Mbello@MABSE.com
GET INVOLVED? CONTACT US:

• Current Chair: Badri Prasad

• Interested? Email office@seaonc.org
Committee Vital Statistics

• Quarterly Meetings

• (2) Active Members

• <10 hours per month commitment
Committee Charges for 2020-2021:

1. Increase Membership Recruitment by advertising the benefits of becoming a SEAONC Member

2. Increase Membership Recruitment of new engineers in the field by having liaison members for local universities and university chapters.

3. Assist SEAONC Committee recruitment by organizing Committee Outreach Night and partnering with other committees on events and initiatives to recruit

4. Assist the organization with Membership Appreciation by organizing membership appreciation events and membership gifts.
Past Work

1. Organized the effort for preparing the pamphlets for each committee to pass out during Committee Outreach night
2. Top 10 Reasons to Join SEAONC Mailer
3. SEAONC Reusable Bag Membership Appreciate gift
Exciting New Initiatives

1. Determine annual membership appreciation event
2. Plan new member welcome event
3. Revamp the New Member Welcome Packages
Contact Information:

Current Chair
Jenny Van Truong
jennyvantruong@gmail.com

Past Chair
Caroline Tsang

Committee Email: membership@seaonc.org
STRUCTURAL ENGINEERING ENGAGEMENT & EQUITY
SE3 COMMITTEE
TIFFANY HWANG, PE, CHAIR
SE3@SEAONC.ORG

SEAONC Committee Presentations
January 20, 2021
Committee Vital Statistics

• Meetings
  • Third Wednesdays, 5:30-7pm (today!)
• ~20-25 Committee Members
• Average Hours per Month Commitment
  • 1.5 hrs for monthly committee meeting
  • 2-4 hrs for task group meeting/work
• Task Groups
  • Racial Equity, DEI
  • Student Outreach, Exit Interviews
  • Mentorship, Outreach & Comms
SEAONC SE3 Mission

- To raise awareness and promote dialogue on engagement, retention, and equity in our profession.

- To attract and retain the best talent and to ensure all structural engineers have a pathway to success in their careers.
Past SEAONC SE3 Programs

- Workshop on Building an Inclusive Workplace for All in the 21st Century
- AEC Panel on Inclusive Practices in Recruiting and Management
- “What Can We Learn From the 2008 Recession?” panel
- Speed Mentorship events
- Long-Term Mentorship Program
- Firm Leader DEI Roundtable
- Racial Equity Book Club
Exciting New Initiatives – Racial Equity Task Group

- Firm Leader DEI Long-Term Cohort program
- Publish Civil Engineering Demographics report
- Civil Engineering Education Experience survey
- Intersection of Justice and Design program
- Racial Equity Book Club

BSCE awarded in 2019
Exciting New Initiatives – DEI Task Group

• Inclusive Management/Leadership Practices program

• How to be an ally/accomplice in the workplace

• Publish best practices guidance for Job Posting Guidelines + Resume Review / Implicit Bias Awareness
Exciting New Initiatives – Outreach Task Group

- Girls in STEM volunteering with Girls Inc
- Student outreach presentations
- 2020 NCSEA SE3 Survey findings presentation
- SEAONC Post DEI Spotlight content
- Collaborate with Public Outreach Committee on NSBE Jr. partnership
Exciting New Initiatives – Mentorship Task Group

- Long-Term Mentorship program
- Speed Mentoring event
https://www.seaonc.org/group/SE3
http://www.se3project.org/

Tiffany Hwang, Chair
Hayley Proctor, Vice Chair
Brenna Marcoux, Past Co-Chair
Rachel Cohen, Past Co-Chair

se3@seaonc.org
tihw@cowi.com

SEAONC SE3 Committee
COMMITTEE FACTS

• Meetings – Every third Thursday of the month 5:30 – 6:30 pm

• 8 active committee members

• Average of 4 hours time commitment per month
EXAMPLES OF COMMITTEE’S WORK

- Rebuilding Together Build Day 2019
EXAMPLES OF COMMITTEE’S WORK

• SF-Marin Food Bank Volunteer Events
COMMITTEE CHARGES FOR 2020-2021

• Improve youth outreach program

• Update Earthquake fair brochures

• Event planning with AIA
EXCITING NEW INITIATIVES

• NSBE Jr. Bay Area partnership & sponsorship
• Hands-On Learning with “MOLA Structural Kits”
• First SEAONC Workshop slated for early summer
GET INVOLVED? CONTACT US:

- List past chair, current chair, vice chair
  - Derek Avrit – Chair
  - Martina Sbicca – Vice chair
- Email contacts
  - outreach@seaonc.org
  - derek.avrit@kpff.com
  - martina.sbicca@kpff.com
Committee Presentations
January 20, 2021
COMMITTEE FACTS

- Meets typically quarterly and additionally as required
  - Thursday evenings 5:30p-7:00p

- Number of Committee Members
  - 4 Active / 1 Retired

- Committee Board Charges for 2020-2021
  - Monthly / Bi-weekly

Bylaws Committee
BYLAWS COMMITTEE ROLE

▪ Mission:

*Provide support to the Board of Directors in the administration, revision and update of the association’s Bylaws.*

▪ Standing Committee Charges (What do we do?):

*The Bylaws Committee serves at the request of the Board of Directors to answer questions on and provide interpretations of meanings and procedures allowed in the Bylaws. The committee also serves to compose additions or amendments to the Bylaws as directed by the Board. The committee provides similar interpretations and input to the Board for the SEAONC Canons of Ethics for Engineers.*
BRIEF OVERVIEW OF SEAONC BYLAWS

So, what are the Bylaws?

▪ The SEAONC Bylaws define a statement of purpose of the Association and how it will conduct business operations including membership and committee activities. Contains Articles (I–XIII).

▪ SEAONC was founded in 1930. Incorporated in 1949, the Bylaws were first amended in 1959 and have been maintained, revised and amended in accordance with procedures therein on 20 occasions since – all but two prior to the year 2000.

▪ Amendments shall be adopted only upon qualifying vote of the Voting Members as prescribed in Article IX.

▪ The SEAONC Canons of Ethics for Engineers were adopted in 1962 and have been amended three times since.

Bylaws Committee
COMMITTEE CHARGES FOR 2020-2021

- Board proposed SEAONC Bylaw revisions
  - Board Charge / Led by Emily Guglielmo and Kevin Moore
- Expected charge for 2020-2021
- Substantive and far reaching. Many are long overdue. All Articles I-XIII impacted.
- Overarching themes of alignment, clarification, consistency, repair and update
- Revised bylaws for member vote by April 2021. Allow Membership vote in June.
GET INVOLVED? CONTACT US:

▪ Committee Membership

▪ Peter Lee / Chair, peter.lee@som.com

▪ Ed Goudie / Past-Chair (retired) jedgoudie@astound.net

▪ Ted Canon / Past-President, tandjcanon@comcast.net

▪ Grace Kang / Past-President, g.kang@berkeley.edu

▪ Taryn Williams / Past-President, tnwilliams@sgh.com

▪ Interested SEAONC Members are welcome to join the committee.
GET INVOLVED? CONTACT US:

- Website access to Bylaws and Canons of Ethics
  - [https://www.seaonc.org/group/Bylaws](https://www.seaonc.org/group/Bylaws)

- Additional Information
  - Website brochure / pamphlet

- Please contact bylaws@seaonc.org for additional comments or questions.
QUESTIONS???

For any additional questions, email office@seaonc.org

Visit https://www.seaonc.org/

January 20, 2021
JOIN US NEXT WEEK!

Board Townhall
January 27, 2021
12-1pm

**BUSINESS:**
President’s Welcome
Finances
Bylaws

**NEW INITIATIVES:**
Diversity, Equity, Inclusion (DEI); Endowment
Special Projects Initiative (SPI)
Disaster Response Plan
New Grad Initiative
Student Workshops and Career Fair
Communications
Committees
Partner Organization Collaboration

**CELEBRATIONS, UPCOMING EVENTS:**
Awards
Upcoming Events