

Winter Newsletter



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Winter 2016/2017



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UPCOMING EVENTS

Mar 31

California Infrastructure
Symposium and Awards
Dinner

Apr 4

YMF Board Meeting

Apr 6-8

Pacific Southwest
Conference (PSWC)

Apr 18

YMF General Meeting

Apr 23

Challenge Ranch
Volunteering

A Message from the President

By Dan Nutter, YMF President

Over the past seven months of the YMF year, we have continued to bring exciting opportunities to our members and the community. From E-Day at the Mall, to the Gulls game social, to the PE Review session, our officers have been busy and our members engaged! Thank you for all the members making these activities so worthwhile, and a special thanks to the officers who make our organization such a rewarding experience.

As we've inched past the halfway point in our YMF year, this is the perfect opportunity to mention the upcoming ASCE YMF Officer Elections (coming in April). Becoming an officer is a great way to become more involved with YMF, expand your professional network, and develop important leadership skills. In the coming weeks, YMF will be soliciting nominations for five board positions and eight chair positions.
A Message from the President continued on Page 2

A Message from ASCE San Diego Section

By John Kilps, ASCE San Diego Section President

The much anticipated blockbuster movie event has arrived! Dream Big: Engineering Our World is now playing at the Fleet Science Center IMAX Theater in Balboa Park. The movie illustrates the compassion that engineers have in their projects, big and small, and how engineers shape our world. ASCE worked on this project in partnership with MacGillivray Freeman Films, and the Bechtel Corporation. The movie is a "must see" for all engineers.

A special movie premier event was held here in San Diego on Friday, March 3. Local engineers, managers, young professionals, students, and young children gathered to celebrate the event. More than 350 people attended the event, featuring guest speaker Assemblymember and former San Diego City Councilmember Todd Gloria.
A Message from ASCE San Diego Section continued on Page 2

A Message from the President continued from Page 1

If you are interested in being an officer, please respond to the solicitation or email me (DNutter@SanDiego.gov) or President-Elect, Bobby Sokolowski (Robert.Sokolowski@tylin.com), to indicate your interest. I also encourage you to come to our April 4th officer meeting (6pm at TY Lin's office) to speak with current officers about their experiences and get an idea of what being an officer entails.

Elected Positions:

- President-Elect
- Treasurer
- Secretary
- Vice President - Community Service
- Vice President - Education



Appointed Positions:

- | | |
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| <ul style="list-style-type: none"> ▪ Engineering Day at the Mall Chair ▪ Golf Tournament Chair ▪ PE Review Course Chair ▪ Social Chair | <ul style="list-style-type: none"> ▪ Membership Chair ▪ Newsletter Chair ▪ Website Chair ▪ Scholarship Chair |
|--|--|

I hope to see everyone in April!

A Message from ASCE San Diego Section continued from Page 1

Assemblymember Gloria said it was fitting the movie premier event was in Balboa Park, the site of the Panama-California Exposition 100 years ago in 1915. San Diego is fortunate to have Assemblymember Gloria, who understands the importance of infrastructure to our community. The Panama-California Exposition is an example of how city leaders and engineers "dreamed big" to construct Balboa Park and host the international event. Today, examples of engineers that dreamed big are evident throughout San Diego. Many of those examples are underground and unseen, such as aqueducts, pipelines and foundations. Engineers continue to dream big today, and given the challenges that face us, must continue to dream big into the future.

A BIG thank you to event chairperson, Kimberly Wender, and all the YMF and committee members that helped make the San Diego movie premier event very special.



UCSD Student Chapter Update

By Sidney Anthony, SCSE/UCSD Public Relations Chair

The Society of Civil and Structural Engineers (SCSE) at UC, San Diego has been up to a lot this past quarter! We had our annual career fair, Structural Engineering Day, where 75 representatives from 26 companies across civil, structural, and aerospace engineering and construction management attended to speak with and recruit our students. A big, thank you to the YMF volunteers that came out! Later in the quarter, we were able to hold our first, large-scale fundraiser, a silent auction, at SEAOSD's Student Night dinner. On top of this, three volunteer days, three GBMs, WSCL, two socials, and even a workshop all took place this quarter!

During this time, our outreach program and project teams were working hard too! Seismic Outreach - our program that provides local elementary and middle school students an interactive way to learn about earthquake engineering - completed another round of field trips! They hosted a total of 682 students! Seismic Design competed at their annual conference, EERI, in Portland on March 7th-10th. They survived all ground motions, placed 5th in Communications and 4th in Architecture out of 33 international teams. They are also bringing another tower they built to PSWC to get that one tested as well! Concrete Canoe has been paddling, mixing, pouring, and more in order to prepare for the Pacific South West Conference that's coming up on April 16th! Steel Bridge has also been fabricating their bridge at our Campus Research Machine Shop in preparation for conference.

Lastly, to get in the spirit for PSWC and get some San Diego pride going, UCSD and SDSU paired up for a joint picnic at Mission Bay!

It's been a fast pace and busy quarter, but we wouldn't have it any other way!



Monthly Meetings

Each month, YMF holds general meetings featuring a technical presentation with networking, dinner, and drinks. Below you'll find a recap of what we learned about this fall.

January – Chollas Creek Watershed Master Plan

By Ronak Rekani, Newsletter Chair

YMF had its third general body meeting of the year on January 17th held at Sufi Mediterranean restaurant. Our speakers of the night were Eric Mosolgo from the City of San Diego, Raina Dwivedi from Tetra Tech, and Brendan Hastie from Rick Engineering. They gave an informative presentation on The Chollas Creek Watershed Master Plan (WMP).

The Chollas Creek WMP is being developed by the City of San Diego (City) to comprehensively assess the drainage infrastructure improvements and water quality best management practices (BMPs) necessary to meet storm water quality regulations and flood control level of service requirements in the Chollas Creek study area. Chollas Creek is a 32-mile natural waterway and drainage system that traverses neighborhoods within City Heights, Oak Park, Encanto, Chollas View, Mt. View, Mt. Hope, and Southcrest, from its headwaters in La Mesa and Lemon Grove to San Diego Bay. The City synthesized high-resolution data to assess the existing water quality and drainage conditions within the study area and subsequently utilized detailed modeling and prioritization analyses to propose improvements to the storm drain infrastructure and management system for both flood mitigation and water quality purposes.



All of the recommendations for water quality and drainage management were evaluated with respect to non-modeled prioritization criteria (e.g., environmentally sensitive areas, flooding complaints, contaminated soils, costs, etc.) to provide the City with a comprehensive assessment of storm water related improvements within the study area.

February – Navigating the Road from Young Engineer to Leadership

By Robert Sokolowski, President-Elect

On February 21st, attendees of YMF's general body meeting were treated to a presentation by Jason Lemons on navigating the road to leadership as a young engineer. The path from early career in engineering to leadership and management can be overwhelming. The purpose of this presentation was to provide some practical lessons-learned and advice for successfully traversing this path. The presentation aimed to answer some key questions:

1. What is between you and leadership?
2. What is the best future for you?
3. What are some common pitfalls to an engineer on this path?
4. What is the difference between leadership and management?

Jason Lemons, P.E. is a Principal Project Manager with Parsons Corporation. Currently Jason serves as a large contract Project Manager as well as a leader of business development pursuits. He has served as the San Diego area manager for Dokken Engineering as well as a southern California transportation practice lead for T.Y. Lin International. Jason has a unique background in design in that he worked as an estimator and Project Manager for a heavy civil contractor prior to design. Jason previously served as the President of the SDSU ASCE as well as President of the SD ASCE YMF. He is a lifelong resident of Southern California with a BSCE from SDSU. His background is a testament to his leadership skills and YMF's young engineers were able to get a first person account on how they, too, could grow into effective leaders.



Member Activities

Western Regional Young Member's Conference

By Miguel Gonzalez, Scholarship Chair

In January, the Los Angeles chapter of ASCE hosted the Annual Western Regional Young Member's Conference (WRYMC). ASCE chapters travelled from all over California, Nevada, Washington, Alaska, and Hawaii to attend. Representing sunny San Diego were seven YMF delegates, along with a few Section members and students from SDSU and UCSD.

The conference covered leadership, club strengthening ideas, and current engineering issues. Such an event was prime for meeting like-minded, out-going younger members from Regions 8 & 9. Various technical tours were offered, including a tour of the Walt Disney Concert Hall. And when the sun went down, the LA nightlife was the perfect environment to get to know newly made ASCE acquaintances in a more casual setting.

In 2018, it's ASCE Las Vegas's turn to host the event. It's hard to imagine that they'll disappoint!



Educational Outreach

E-Day at the Mall

By Emerson Revolorio and Karina Guevara, E-Day Co-Chairs



This year Engineering Day at the Mall was on Saturday, February 25th, during Engineer's week and was hosted at the Chula Vista Center Mall. Although the venue location remained the same as the previous year's event, YMF was able to move to an open space that provided a preferred layout and allowed us the freedom to host new activities and invite a few more companies and engineering organizations to participate. This year, we had 26 activities which were hosted by 12 engineering companies, 8 engineering organizations, and 6 YMF tables ran by volunteers. In addition, we had about 200 children attend the event and participate in the variety of activities present. This, in part, would not have been feasible if not for our estimated 140 YMF and UCSD/SDSU student volunteers. Thank you to those who participated in helping us continue to successfully host this event!

Engineering Day at the Mall is our biggest community outreach event of the year and the team always works hard to improve the event and continues to reach out to the local San Diego community through science and engineering. As the team looks forward to the future we welcome any feedback so feel free to contact Emerson and Karina at eday.ymfsd@gmail.com with any comments or questions.



Community Service

Contributing to our local community is a key value for YMF. Here's a recap of our impact over the last few months! If you're interested in participating in any of our upcoming volunteer events, or if you have suggestions for other volunteer opportunities, contact our VP of Community Service, Sharon Liu, at ssliu@rickengineering.com.

St. Vincent de Paul Village Soup Kitchen – 1/22/2017

By Sharon Liu, VP of Community Service

YMF volunteers headed down to St. Vincent de Paul Village to help serve dinner to the homeless at the local soup kitchen. Typically, the kitchen serves about 300 hot meals to the homeless, but it happened to be a rainy Sunday night and the kitchen was especially busy, filling up with nearly 50% more diners. It was humbling experience for all of us to see the challenges ahead for those less fortunate and it was an honor for us to be able to share a smile and bring some cheer despite the wet weather. Thank you to all the volunteers who helped out!

San Diego Food Bank Volunteering – 2/4/2017

By Sharon Liu, VP of Community Service



Volunteers helped assemble supplemental food boxes for seniors 60 and over at the San Diego Food Bank over a fun-filled 2-hour shift. Though it may not sound all that exciting, it's my personal favorite project at the San Diego Food Bank because we all get to work together on an assembly line as one big team to create nearly 900 boxes (each weighing approximately 35-lbs)!



Examples of the food items packed in the boxes include: cereal, milk, juice, canned vegetables, and rice. These supplemental food boxes often help seniors on a fixed income get through each month and they provide them with healthy and nutritious foods. After volunteering at the Food Bank, several volunteers enjoyed a nice meal and some drinks at Ballast Point located around the corner from the Food Bank. Thank you all the volunteers who joined in on my favorite project! Go team!

Social Events

San Diego Gulls versus Texas Stars – 2/24/2017

By Tan Cao, Social Co-Chair

What could be better than a hockey game and \$2 Bud Light night at Valley View? This year we were joined by 16 of our YMF members and friends. The Gulls took on the Stars at home, and kicked butt by scoring twice every period with the final score being 6-2. Sporting events have become well attended in the past few years and we hope to see you out at the next one!



Joint Social EWB – 3/16/2017

By Tan Cao, Social Co-Chair

We jumped on board right away when the Engineers without Borders (EWB) San Diego chapter proposed a joint event between our two organizations. The event had a great turnout where our members interacted with other engineers who make up our San Diego community. The meeting place was Blind Lady Alehouse in Normal Heights and pizza was a popular food item. Best of all part of the proceeds from our event benefited EWB and their projects.



Featured Member

Each quarter YMF features a different member. If you're interested in being featured, or have someone to nominate, contact our Membership Chair, Vanessa Tarronas, at vanessa.tarronas@latitude33.com.

Do You Know Gabriela Bernaldino?

By Vanessa Tarronas, Membership Chair



Where are you from?

I am originally from LA but I moved to San Diego when I began my undergraduate at UCSD.

Where do you work?

I currently work for the City of San Diego (downtown location).

What do you plan to be involved with in the YMF group?

I plan to be involved with Community service and volunteering events.

What led you to be involved with YMF?

I like to stay involved in the community and learn from experienced engineers.

Tell us an interesting fact about you!

I like to hike and play softball!



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