

THE TPS REPORT

<http://younger.asce.org/sandiego/>

Important ASCE YMF Dates:

- Thursday January 23-24, 2009. Western Regional Younger Member Council (WRYMC). San Francisco, CA.
- February 5-8, 2009. YMF Mammoth ski trip.
- Mid-February EIT & PE refile deadline. Check the licensing board website.
- Saturday February 21st, 2009. 8 hr. PE review course begins. Caltrans office Old Town.
- Tuesday February 17, 2009. General Meeting at Karl Strauss, Sorrento Mesa. High Speed Rail project.
- Engineering Week. February 15-21, 2009.
- Saturday February 21, 2009. Grossmont Center Mall. E-day at the mall. 10:30am-3pm.
- Saturday March 21st, 2009. Deadline to subscribe for the YMF Survey/Seismic PE review course.
- March General Meeting at Karl Strauss, Sorrento Mesa. Date TBA. Joint meeting with Structural Engineers of San Diego, (SEAOSD)
- March, 2009. Francis Parker Elementary School Construction Site Visit. Exact date TBA
- March 2009. YMF Scholarship deadline.
- Tuesday April 21, 2009. General Meeting YMF Scholarship Winners Announcement. Speaker TBA.
- April 24th, 25th PE, EIT examinations. Check the licensing board website.
- Tuesday May 19, 2009. General Meeting. Officer nominations.
- Ongoing: ASCE YMF Shadow program. Contact our VP of Education for information.

ASCE YMF Reminders:

- Visit www.asce.org/membership to become an ASCE member
- Want to get involved with YMF? Come to the Board Meetings for 2009, to learn about exciting opportunities. The meeting location is at PBS&J in Kearny Mesa, starting at 6:00 PM. All are welcome! Speak to an officer on the back page.

Lake Hodges Pedestrian Bridge Tour



Younger Members listen to Wade Durant give the tour while standing on the temporary wooden trestle adjacent to the stress-ribbon bridge.

On a hot day in mid November, 20 Younger Members took a tour of the Lake Hodges Pedestrian Bridge, just south of Escondido. The tour was given by Wade Durant from T.Y. Lin International, the design firm for the bridge, and Lenny Gardino of Flatiron, the contracting firm constructing the bridge. It lasted approximately one hour in 90-degree heat with strong winds, yet despite the elements, the group was able to walk on the temporary wooden truss that parallels the bridge to get a unique view of the 2 piers and underside of the superstructure. Wade indicated it is a stress-ribbon type bridge that will be only 16 inches thick. The group was able to see how these 16" thick by 14' wide by 10' long precast panels sat atop the cables and when strung together create a continuous deck. At the time of the tour, only one of the three spans had all of their panels in place. A total of 87 panels and four cast-in-place segments will be required to complete the superstructure. The two piers stand 43 feet above the lakebed and have a distinctive architectural design.

This unique structure, scheduled to open in March 2009, will be three spans totaling 990 feet long. When complete, it will be the longest bridge of its kind in the world and only the 6th in the U.S. The bridge will be open from 6 a.m. to 9 p.m. daily for pedestrian and bicycle use.

- Submitted by Brett Makley

Check out the following websites for more information :

<http://www.sdrp.org>

<http://www.sandiego.gov/water/recreation>



Message from the President

Welcome to my term as your YMF President! It's been an easy term so far – we have so many officers and committee chairs that the load is well distributed! Our Scholarship Committee is getting ramped up, we're starting to plan activities for Engineering Day at the Mall, and we're looking forward to hosting the regional Younger Member conference in 2010.

In November, JP and I attended the National ASCE conference in Pittsburgh, PA. The conference is open to any ASCE member and it's a great opportunity to meet other engineers, not only from around the country but our international members, too.

We have so much planned for 2009 and I'm really excited about it. Our webmaster, Don, is working hard to give our website a fresh, new look. Keri, our Historian, also put together an awesome photo book of our activities and meetings from the last year. When you're at our next meeting, come flip through it and see if you're in it! We've got a nice line up of technical speakers, lots of ideas for community service events, and a couple more tours in our back pocket.

Fifteen of our officers will be attending the Western Region Younger Member Council in San Francisco, CA in February. We'll be well represented, but we'll also be spending two days in sessions learning how to make our chapter better for you. And, of course, we'll be participating in important social events with the other Western Region Younger Members.

If at any time you have an idea or suggestion for something you'd like to see - whether it's a tour, presentation, or just an excuse to get together – let us know! I look forward to getting to know more of you throughout the year.

-Submitted by Leanne Abe

Volunteer for WRYMC 2010

Would you like to have an opportunity to network with other professionals in the Western Region? The perfect opportunity is going to be in January 2010, when San Diego will be hosting the Western Regional Younger Member Council (WRYMC). WRYMC, Workshop for Section and Branch Leaders, and Workshop for Student Chapter Leaders usually all occur during the same weekend, so there will be plenty of interaction between younger members, students and section/branch members from the entire region!

We will start organizing the event in January so if you are interested in helping out in any way, feel free to email me at Benjamin.Espiritu@CH2M.com.

Can't wait to hear from you!

General Meeting @ Karl Strauss I-15 Bus Rapid Transit (BRT)

On November 18th Barrow Emerson, the SANDAG planning project manager for the implementation of the BRT, gave a presentation on the I-15 Bus Rapid Transit (BRT). This presentation highlighted the history, planning, implementation schedule, and features of this high quality public transit service which will hopefully attract choice riders to the public transit system, help address congestion, and reduce private auto travel and greenhouse gas emissions.

SANDAG is the regional planning agency for San Diego County and is responsible for management and implementation of TransNet II, the half-cent sales tax for transportation. Mr. Emerson has worked as a transportation planner for 30 years in San Diego, Los Angeles, San Francisco, Portland, Seattle, and Perth Western Australia; primarily on public transit projects.

-Submitted by Jessica Prince

YMF Holiday Party and Toy Drive

On Thursday December 11th more than 20 ASCE members arrived at Dave and Busters in Mission Valley to participate in the annual toy drive and enjoy each others company for some friendly competition and teamwork on the gaming machines. The basketball games were hugely popular and a pair of kids received the tickets. Check out the Photos section on the website for pictures!

<http://younger.asce.org/sandiego/>

Shannon delivered more than 45 unwrapped items to Toys for Tots!

Thank you for participating!

-Submitted by Hector E. Maytorena



Holiday Party at Dave and Busters. December 11th,

ASCE Section Awards Dinner

The 138th Annual National ASCE Conference was held this past November in Pittsburgh, PA. On one of the days of seminars, attendees were given the opportunity to pick between various "Tracks" or focus areas. I chose *Track 1: The Civil Engineering Workforce, A Look Ahead*, which focused on engineering education. One of the first presenters, Mr. James Johnson, discussed the findings in a comprehensive and groundbreaking study led by the National Academies of Engineering and funded by the National Science Foundation.

The report entitled *Changing the Conversation* argues one of the greatest obstacles to attracting talent to engineering is the lack of compelling messages that appeal to younger generations. The study found that there is little understanding of an engineer to most people, especially children, and that scientists are always thought of more. Another finding indicated that Hispanics, more than others, found engineering to be boring and "nerdy".

A very interesting point that I noted was that there is too much focus math and science as being critical to engineering that may drive kids away. This underscores the importance of other critical pieces to engineering such as dealing with people, communication, solving problems, and social issues. In fact, engineers really make more of an impact in our society that doctors do. It's time we realized that, helped children and the general public realize the importance of engineering, and bring pride and professionalism back to the profession.

Other speakers included leaders of Project Lead the Way, the Museum of Science, Boston, various educational organizations, and the ACE Mentor Program of America. If you have any interest in learning more about how you can get involved and help out with K-12 education or outreach please contact me for more information about the presenters at the conference, or contact our VP of Education, Cory LaNeave, to assist YMF in making a difference through one of our programs.

-Submitted by John Prince



Habitat for Humanity volunteers January 10th, 2009

ASCE National Conference

Every fall, hundreds of ASCE members gather make a pilgrimage. The location changes, but the purpose stays the same: create better engineers and leaders and continue to improve the organization. This November, we were in Pittsburgh, PA, surrounded by bridges of every kind.

The conference also includes a Younger Member Leadership Symposium, full of leadership and personal management topics. Following the Symposium is the regular portion of the conference, which included 4 separate tracks this year: Education, Risk Management, Leadership, and People Personalities.

It seems ASCE is becoming focused on reaching out to young students (K-12) in an attempt to learn how to make civil engineering more attractive. The good news is that engineers are no longer perceived as nerds or unpopular. The bad news is that students have a hard time making a strong association between civil engineering and community benefit. ASCE has put together a task force and they're working on some tag lines to advertise how great civil engineering is what would your ASCE tag line be?

We're also entering a period where the work force consists of at least four different generations. ASCE calls them the Traditionalists, Boomers, Generation X, and Millennials. Where do you think you are? Jim O'Brien is the Managing Director of Professional and Educational Activities for ASCE. He's a wonderful speaker and gave an engaging presentation on the generational gap and how to use our differences to work together. If you'd like a copy of his presentation, just let me know.

As engineers, we work hard but we also play hard. The National conference is a great time to meet people from across the country. The Pittsburgh YMF organized some fun evening social events and we all came away with some new friends. Of course, we'll also see a good number of familiar faces when we head to the Western Region Younger Member Council in February.

Next year's conference will be in Kansas City, MO. Hope to see you there!

-Submitted by Leanne Abe



YMF Resume Workshop December 2nd, 2008

ASCE YMF Awards

Help your Younger Member Group gain national recognition! Nominate someone you know for one of the many awards offered. Deadlines vary, and please check the website listed for requirements and restrictions.

CYM Awards - Deadline for nominations is February 1, 2009.

Collingwood Prize - Submit a previously published paper "describing an engineering work with which the author(s) have been directly connected; or recording investigations contributing to engineering knowledge to which the author(s) have contributed some essential part; and containing a rational digest of results."

Daniel W. Mead Prize (Ethics) - Applicants must submit a paper. This year's topic is "Is it ethical for Civil Engineers to relax design standards to achieve a sustainable design?" The winner receives a wall plaque and is eligible for publication as the national winner.

Edmund Friedman Young Engineer Award - Awarded to a young engineer who has attained significant professional achievement.

Young Government Civil Engineer of Year Award - Awarded to a distinguished young civil engineer for demonstrated leadership in and for significant contributions to public service engineering.

CYM Award - Deadline is August 1, 2009

Employer Recognition Nomination - Recognizes employers who exhibit exemplary support for its young engineers in their professional development.

Other awards:

2009 New Faces of Civil Engineering Award - Awarded to engineers by highlighting their engineering contributions and the resulting impact on society. Nominations must go through National. Deadline is September 29, 2008.

For more information go to <http://content.asce.org/diversity/2009NewFacesNominationPage.html>.

For a complete list of awards and applications, go to <http://www.asce.org/pressroom/honors/awards.cfm>

If you have a paper to submit or have a Younger Member to nominate for an individual award please let us know. All documents must be submitted through our chapter. Contact Jennifer Bileck irbileck@pbsj.com



2008-2009 San Diego ASCE YMF Officers

Director	Angela Juran	KPFF Consulting Engineers	angela.juran@kpff-sd.com
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