

### President's Message

By Frank Marescalco



Hello, everyone and happy March! We sure are marching in to 2017 fast – there's a little engineering humor for you.

This month's section meeting is our annual joint meeting with the Society of American Military Engineers. We'll be joining forces for a lunch meeting on March 14<sup>th</sup> with the students at St. Martin's University. Come on out for some good food and a chance to listen in on what our students are doing to prepare for this year's competitions.

For those of you who are signed up for the upcoming PE exam, I am hosting my semi-annual water resources module focus study session this month. We will meet on the 22<sup>nd</sup>, so sign up soon. I'll be providing pizza, beverages, and a study guide free of charge. We will go over breadth-type exam problems that you're likely to encounter on the exam. And as usual, our friends at GeoEngineers are hosting their geotechnical review sessions. This spring, they have three – one in Seattle, one in Redmond, and one here in Tacoma. Check out the attached flyer at the end of our newsletter. You can RSVP by contacting [sbraicks@geoengineers.com](mailto:sbraicks@geoengineers.com).

We have election season coming up quickly and we are in the midst of accepting nominations for candidates. Now is the time of year to consider stepping up and serving your local section as an officer or a committee member. We have an opportunity to fit every schedule. For this upcoming term, the open officer positions are treasurer, president-elect, and director at-large. New officers take on leadership duties in October of this year. If you would like to nominate yourself to run for an office, contact us at [asce.tacoma.olympia@gmail.com](mailto:asce.tacoma.olympia@gmail.com). If you know someone who would make a good candidate, let them know about the opportunity.

We also have our awards ceremony approaching and we are accepting nominations now. We have developed a nomination form and instructions that you can use to nominate an outstanding project or engineer to honor at our April program. [Click here to access the form](#). The Section's awards program is a critical part of what we should all do as engineers to celebrate our profession and give recognition when someone does an outstanding job. Our area is brimming with great engineers and great projects, and I expect everyone can think of at least one person or project to nominate. Please take a look at the form and send us your nominations! The nominations are due by April 17<sup>th</sup>.

February was a very busy month for us. This year's banquet dinner at St. Martin's University was a great way to wrap up Engineers Week 2017 in style. The food, program, and attendance were top-notch. If you didn't have a chance to join us at one of our events in February, I highly encourage you to come to something this month. But I would encourage you to do that regardless of your attendance history.

As always, thank you for reading our newsletter, and we hope to see you soon!

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*A cold winter morning overlooking downtown Tacoma. Photo credit to Alex Hannum at [alexhannumphotos@gmail.com](mailto:alexhannumphotos@gmail.com)*

## March 2017 Monthly Program

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### Joint Annual Meeting with Society of American Military Engineers

March is the month in which ASCE Tacoma-Olympia and SAME Mt. Tahoma Post join forces in our annual joint section meeting. This year we will be holding a lunch meeting at St. Martin's University. We will be getting an update from our student chapters with regard to preparations for upcoming events and the annual competitions. We'll hear about the steel bridge competition and maybe even get a sneak peak in to the concrete canoe competition.

Lunch will be a taco bar buffet. We'll start at 12:00 and dismiss everyone at or before 1:30. Hope you can make it!

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<b>Date and Time</b>	March 14, 2017 at 12:00 PM
<b>Location</b>	Norman Worthington Conference Center St. Martin's University 5000 Abbey Way Southeast Lacey, WA 98503
<b>Schedule</b>	12:00 PM to 12:15 PM Reception and Social 12:15 PM to 12:30 PM Lunch 12:30 PM to 1:30 PM Program
<b>Menu</b>	Taco Bar: seasoned shredded chicken, flour and corn tortillas, salsa, lettuce, black olives, cheese, beans, cilantro-lime rice, cookies, and beverages. Dietary accommodations made on request.
<b>Price</b>	Members:       \$20 Students:       \$10
<b>Reservations</b>	You can RSVP by <a href="#">clicking here!</a>

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## Announcements

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We have plenty of information to share and opportunities to engage coming up, so be sure to check in.

- ***Water Resources and Environmental PE Study Session: Date Change***

The water resources focus study session date has been changed from March 8<sup>th</sup> to March 22<sup>nd</sup> because the original date conflicted with a concurrent study session in Seattle by GeoEngineers.

- ***Now Accepting Nominations for Leadership Positions***

March marks the beginning of nominations for Section leadership positions. In 2017, we will be electing our treasurer, president-elect, a director, and our YMG co-chair. We also have a number of appointive positions for standing committees and we need a co-chair for our Younger Members Group. If you are interested or would like to nominate someone you know, the first step is to [contact us](#) and we will do the rest! Nominations close on April 19<sup>th</sup>.

- ***Now Accepting Nominations for Honors and Awards***

Our Section hosts its annual awards banquet in April. In order for us to be successful, we need you to send us nominations for projects and people that you think are outstanding. We have awards in three categories:

- Small Project, Under \$1,000,000
- Large Project, Over \$1,000,000
- Outstanding Engineer

Making a nomination is easy. [Click here](#) for instructions and an application or [contact Michael Hale](#).

- ***17<sup>th</sup> Annual MESA Day at Pacific Lutheran University***

Every year, Pacific Lutheran University holds a day of friendly engineering competition for students across the Tacoma area. The competitions include classic engineering type challenges. Our section traditionally sends several members to volunteer for the day to act as judges and assist the students during the competition. This year's competition will be held on March 28<sup>th</sup> at the PLU campus. If you are interested in contributing as a judge or in some other volunteering capacity, you can [volunteer online](#)!

- ***YMG: Fundamentals of Engineering Exam Study Session***

All ASCE members and students are invited to join the Tacoma-Olympia YMG for a free FE Exam study session at St. Martin's University in Lacey on Monday, April 3<sup>rd</sup> at 6:30PM. This will be an informal study group to work through practice problems and talk about how to prepare for the upcoming FE Exam. It is a perfect opportunity to come get some free pizza and generate some good study energy. Carlyn will bring some practice problems and candidates are encouraged to bring study materials and questions. If you have friends studying for the exam, please feel free to bring them! If you know of anybody studying, forward this invitation! Everyone is welcome. [Click here to register](#). You can also [email Carlyn](#) if you have any questions.

- ***Spring Fever – and Baseball is in the Air!***

We're almost to better weather and the Tacoma-Olympia Section is working on getting us ready to get out and enjoy some baseball! We are planning our annual Section outing to watch the Tacoma Rainiers play at Cheney Stadium this May or June. We would like to make it a special even this year by reserving the party deck. The party deck is along the left field/third base side of the stadium. In order for us to reserve the party deck, we need your early commitment – the venue books fast. Tickets would cost \$25 to \$30 per person and a minimum of 40 people are needed to commit. The ticket price includes the use of the deck, food and beverages, and a heck of a lot of fun! In order to help us meet our early commitment goal, you can help us by [signing up now](#). We won't charge you to sign up right now, in case we don't reach our minimum, but we do ask that you keep your commitment to the event if we are successful to help us make it work.

## Volunteering Opportunities

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The Tacoma-Olympia section of ASCE needs all of its members to make our section all that it can be! We currently have positions to serve on committees, get involved with our Younger Members Group, and help coordinate events or give presentations. We also have volunteer opportunities for community-minded individuals. Here are some open volunteer positions we have available now. Our volunteer opportunities are always changing, so remember to check back next month if you can't join anything this month! Contact any of your board members if you are interested in serving.

### Committees and Section Positions

**Government Relations Committee Chair; Approx. time commitment: 0 to 2 days per month.** The Government Relations Committee is a standing committee within the Section. The chair position is responsible for recruiting co-chair members for the committee and contributing to committee initiatives and activities. The committee may write articles for our newsletter, mobilize members to action for important legislative events or bills, and coordinate with our state lobbyist.

**History and Heritage Committee Chair; Approx. time commitment: 1 to 2 days per month.** The History and Heritage Committee is a standing committee concerned with local civil engineering history. This committee position is an excellent fit for history buffs. The responsibilities include researching and dedicating historic works of civil engineering within our geographic area of coverage. The committee is also tasked with producing a quarterly newsletter article about a local work of civil engineering and what makes it historically significant.

**Younger Members Group Co-Chair; Approx. time commitment: 2 to 4 days per month.** The Section's Younger Members Group is an active and exciting part of our presence here in the South Sound. The group's leadership organizes events for our younger members such as social outings, workshops, career training, and outreach. The YMG leadership team may also occasionally be tasked with providing reports to the board and producing articles for the newsletter.

### Community Outreach

#### Bates Technical College Engineering Club Mentor

**Ongoing; Approx. time commitment: 4 hours per month.** The Engineering Club at Bates Technical College is seeking an ASCE member who would attend meetings and provide a mentorship role to the students in the club. The club meets one evening per month.

#### Math and Science Tutor

**Ongoing; Approx. time commitment: varies.** Our Section members help local students with math and science tutoring through programs in our schools and colleges. If you have a knack for helping young people with their technical studies, our Section needs your help! You can volunteer for positions that are local and work within your time limitations.

### Section Programming

**Programming Committee Chair; Approx. time commitment: 1 to 2 days per month.** This position is a standing position with the Section responsible for coordinating programming for the Section. The primary duty of this position is to secure speakers for upcoming programs.

**Program Speakers; Approx. time commitment: 2 days per event.** Our section is always looking for individuals willing to speak to the Section at our monthly programs. Topics pertaining to engineering are always welcome, but our Section has hosted speakers who have given presentations about a range of other topics as well. Speakers are provided with a meal and a small personal item as thanks for their willingness to contribute.

## Engineers Helping Engineers

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Our section is proud to offer a helping hand to engineers on the market. This month, we are featuring Daniela, a soon-to-be graduate of the University of Dayton. If you would like us to run an ad on your behalf, [contact us!](#)

- ***Daniela Lopez***

My name is Daniela S. Lopez and I am seeking full-time employment as an entry-level engineer in a civil engineering consulting firm. As a May 2017 Civil Engineering graduate from the University of Dayton, I can bring a fresh and qualified view to an organization thanks to my relevant experiences in the construction industry and leadership development roles as an undergraduate. I have successfully completed co-ops with Bowen Engineering and Turner Construction Company, been designated a University Innovation Fellow, and mentored and recruited students from underrepresented demographics in the STEM field.

I am primarily interested in opportunities in design development of storm water management systems and drinking water infrastructure, but am open to other roles where a company can see me as a good fit. If you are looking for an active, highly motivated and experienced candidate right out of college, please contact me through e-mail at [danielaslopez1@gmail.com](mailto:danielaslopez1@gmail.com) or by phone at (787)-552-6860. Thank you!

## Calendar of Upcoming Events

### March 2017

- 14** Annual Joint Meeting with SAME – 12:00 PM  
Norman Worthington Conference Center  
5000 Abbey Way Southeast  
Lacey, WA 98503  
RSVP at <http://sections.asce.org/tacoma-olympia/events>
- 22** Water Resources and Environmental PE Exam Study Session – 5:00 PM  
Attendance is free and there will be pizza ←  
City of Tacoma Center for Urban Waters  
326 East 'D' Street, Tacoma, WA 98421  
RSVP at our website: <http://sections.asce.org/tacoma-olympia/events>
- 28** MESA Day at Pacific Lutheran University – All-Day Event  
12180 Park Avenue South  
Tacoma, WA 98447  
Volunteer by [clicking here!](#)

### April 2017

- 3** FE Exam Study Session – 6:30 PM  
Attendance is free and there will be pizza ←  
St. Martin's University  
5000 Abbey Way Southeast  
Lacey, WA 98503  
RSVP at <http://sections.asce.org/tacoma-olympia/events>
- 5** ASCE Tacoma-Olympia Board Meeting – 6:30 PM  
Wild Orchid  
3023 6<sup>th</sup> Avenue  
Tacoma, WA 98406  
RSVP not necessary – open attendance to all members
- 17** Deadline for OPAL Award Nominations  
[Click here](#) for nomination instructions and an application form.
- 19** Deadline for Nominations for Open Officer Positions
- 21** Spring 2017 Professional Engineer Exam  
Pacific Science Center  
200 2<sup>nd</sup> Avenue North, Seattle, WA 98109

### May 2017

- 17** May Section Meeting – Tentative  
Pervious Pavement Design Case Study  
Mr. Chris Beckman, PE  
Venue TBD – keep an eye out for details
- 18** Equity in STEM Expo – 9 AM to 1 PM  
Pierce College Puyallup  
1601 39<sup>th</sup> Avenue Southeast  
Puyallup, WA 98374  
To sign up as a speaker or reserve a table space, contact Christopher Davis at [cdavis@pierce.ctc.edu](mailto:cdavis@pierce.ctc.edu)

## Membership Information

National membership rates may be found at <http://www.asce.org/membership>.

Section membership rates

- Individual: \$25 per year
- Student member: free
- Life member: Free

## Advertising Rates

Did you know you can purchase advertising space to promote your business, sponsor the section, and spread the word about job opportunities? Our newsletter is distributed to a growing membership base with about 500 viewers each month. We offer space in our newsletter at the following monthly rates:

- 1/4 page: \$25
- 1/2 page: \$50
- Full page: \$100

If you are interested in purchasing space in our newsletter, contact our treasurer Jessie Chen at (253) 310-6046 or [Jessie.asce@hotmail.com](mailto:Jessie.asce@hotmail.com).

If you're a member seeking employment, you can request space in our newsletter to run a short ad. All you need to do is contact us!

Connect with us on Facebook! [Click here!](#)  
Check out our Instagram account! [Click here!](#)

Looking for a previous issue of the newsletter? You can find them all on our website at: <http://sections.asce.org/tacoma-olympia/newsletter>.

<b>Branch Contact Information</b>		
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<b>Younger Members Chair</b> Carlyn Harlow Apex Engineering, PLLC (253) 473-4494 <a href="mailto:tacoma.olympia.ymg@gmail.com">tacoma.olympia.ymg@gmail.com</a>	<b>Director</b> Samuel Dunn SCJ Alliance (360) 349-3270 <a href="mailto:samuel1dunn@gmail.com">samuel1dunn@gmail.com</a>	<b>Director</b> Vacant

Visit us online at <http://sections.asce.org/tacoma-olympia/>.




# Geotechnical Engineering Study Session

for the Civil Engineering PE Exam


Geotechnical engineering is 20% of the morning session and geotechnical topics are included in some of the afternoon sessions as well!

Regardless of which discipline you intend to take in the afternoon exam session, you will see some geotech problems—for this reason, GeoEngineers’ senior geotechnical engineer Lyle Stone, PE, GE and geotechnical engineer Eamaan Tabatabai, PE are hosting FREE study sessions for the geotechnical portion of the Civil Engineering PE Exam. We will provide pizza, beverages and a take home study guide with practice problems.

 **Monday,  
March 6, 2017**

 **GeoEngineers  
Seattle Office**


600 Stewart Street,  
Suite 1700 | Seattle, WA

 **Tuesday,  
March 14, 2016**

 **GeoEngineers  
Tacoma Office**

1101 S. Fawcett Avenue,  
Suite 200 | Tacoma, WA

**NEW SESSION ADDED!**

 **Wednesday,  
March 15, 2016**

 **GeoEngineers  
Redmond Office**

8410 154th Ave NE |  
Redmond, WA

Doors open at 5pm, we’ll start the “official” program at 6pm. We will start with a brief review and then work practice problems together until about 9pm, or whenever the group runs out of questions.

**Please RSVP to [sbraicks@geoengineers.com](mailto:sbraicks@geoengineers.com) by March 1, if you will be joining us.**

*If you want to be added to our mailing list for updates on future study sessions please let us know at [sbraicks@geoengineers.com](mailto:sbraicks@geoengineers.com).*



There will be a Tacoma-Olympia ASCE water resources section review session on ~~March 8~~ **March 22**

Contact Frank Marescalco at [fmarescalco@ci.tacoma.wa.us](mailto:fmarescalco@ci.tacoma.wa.us) for more info.

