

Dates to Remember:

- **April 4**
Monthly Luncheon
- **March 16**
Boynton Beach Water Treatment Plant Tour
- **March 28**
STEM Competition
- **March 29, EIGN**
- **July 12-13**
Annual Conference

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The Newsletter of the Palm Beach Branch, Florida Section of the American Society of Civil Engineers

President's Message

Greetings Palm Beach Branch members,

I hope everyone is off to a successful and happy new year! Our Branch has started off 2018 with several memorable events.

We had excellent continuing education presentations from Angel De Jesus and Michelle McIntyre at our January and February lunch meetings. Our local EWRI chapter held a lunch meeting in January at SFWMD headquarters with Jeremy McBryan, who gave a very informative and interesting presentation about the history, engineering, science and future of SFWMD's stormwater treatment areas.

Our Vice-President, Vijay Mishra, attended the ASCE Florida Section quarterly board meeting in January at USF on behalf of the Branch. It was an opportunity to network with the student chapters and other branches and stay informed about issues that affect ASCE and our profession at the state-level.

Engineering Family Fun Day (EF2D), hosted by the Society of Women Engineers in February was a successful event that our members and their families attended, as well as volunteered for.

Vijay Mishra and our Young Members Group Chairperson, Yehya Siddiqui attended the ASCE Multi-Regional Leadership Conference in Buffalo, New York in February, where they were able to hone their leadership skills and learn about ASCE's many resources to help them serve effectively as leaders in ASCE.

I hope everyone enjoyed our annual ASCE Bowl-a-thon at Cine Bowl N Grill on March 3rd. This is one of our biggest fundraisers that makes our scholarship and support of FAU ASCE possible. Congratulations to 1st place – Net One Technologies, 2nd place – Chen Moore, and 3rd Place – Engenuity Group, Inc. For the past two years we have been honored to have the Society's President-elect as the keynote speaker at our annual EIGN, known as Engineers in Government Night (EIGN). For this year's EIGN, which will be held at the Lake Worth Casino Bldg.

Ballroom on March 29th, we will be continuing this tradition by having Robin Kemper, current ASCE National President-Elect, as our keynote speaker. EIGN is the time of year where we recognize the best of our profession, with the Project, Engineer, Young Engineer, Government Engineer and Employer of the Year. We also recognize recent inductees from our Branch into Lifetime Membership. Don't forget to submit your nominations, and come out to support the honored recipients.

Finally, I would like to mention that Lou Aurigemma, P.E., F.ASCE who is a member of our Branch, a past president of the South Florida Section (merged with Florida Section in early 2000s) and has served for many years in leadership in ASCE at the local, state, regional and national level is an official candidate for ASCE National President-Elect. The vote will be taken from May 1 to June 1, 2018. Lou's professional bio and vision statement for his candidacy can be found at: <http://www.asce.org/templates/person-candidate-detail.aspx?id=26345>

I'm looking forward to the next few months as we continue to gather together to help our profession and our community. Please feel free to contact me at any time with questions, ideas or general feedback.

Sincerely,
Raymond Sciortino, P.E.
President, ASCE Palm Beach Branch
raymond.sciortino@jacobs.com

Advertising Opportunities

*Renew your Newsletter & Website Sponsorship: **\$100 for 12 months***
Includes website & 4 newsletters to over 700 professionals

Job Posting Opportunities

*Newsletter & Website Sponsorship: **\$50 per listing** - runs for **6 months***
Includes website & 2 newsletters to over 700 professionals

PDH Certificates Available on New Website

Please use the link below to access your **PDH certificates** for the ASCE Palm Beach Branch lunch meetings you attended since 2015 where a PDH was offered, **and** you provided proof of your attendance by signing the attendance sheet.

<http://branches.asce.org/palmbeach/resources>

Upcoming Monthly Meeting

WHEN: Wednesday, April 4th, 2018 from 12:00 -1:00 P.M.

Event Description

Title: Trenchless Technology for Pipe Replacement

Number of PDHs requested: 1.0 hour

Abstract: In efforts to reduce the social, environmental and economic costs of water and sewer replacement, multiple trenchless methods will be presented including prechlorination, static pipe bursting, manhole to manhole pipe bursting and Compression Fit HDPE pipe lining. The technical presentation will focus on the history, design considerations and construction overview of each trenchless method.

HDPE and module pipe will also be reviewed in depth including design, Plastic Pipe Institute Calculator, long term performance and connections methods. Case studies will be presented from communities in south Florida that have utilized these technologies including a \$15M Design/Build emergency 30-inch force main replacement project with Fort Lauderdale, pre-chlorinated pipe bursting projects with City of Sunrise, Wilton Manors and more.

Speaker Name: Todd Grafenauer, Vice President/Educational Director, Murphy Pipelines

WHERE: FAU Boca Campus - Live Oak Room A & B. More details will be provided.

LUNCH COST: Pay at meeting: \$10 cash/check or \$10 by credit card. Pay using on-line registration at <http://branches.asce.org/palmbeach>

Please make your reservation prior to 9:30am on the day of the meeting. Contact Marline Daceus at 561-840-0264 if you need assistance

UPCOMING EVENTS – SAVE THE DATES!

Boynton Beach Water Treatment Plant Tour



WHAT: Young Members Group Boynton Beach Water Treatment Plant Tour and Happy hour at Copperpoint Brewing

WHEN: Friday, March 16 3:30 PM

WHERE: Boynton Beach East Water Treatment Plant
124 E Woolbright Rd, Boynton Beach, FL 33435

Copperpoint Brewery

RSVP: Via email or contact YMG palmbeachasceymg@gmail.com or contact Marly Trier



State Science and Engineering Fair of Florida – STEM Competition

Join your colleagues on **Wednesday, March 28, 2018 at the RP Funding Center (formerly The Lakeland Center)**, Lakeland, Florida to support the young scientists of the State Science and Engineering Fair of Florida – STEM Competition.

More than 400 judges are needed in 13 scientific disciplines for both Junior and Senior Sections. Judging is the single most important event of the SSEF of Florida for finalists and, in the words of a recent judge, ***“Judging was one of the most personally challenging, educational and rewarding experiences I have had in some time. These are truly amazing people!”*** And from another, ***“I cannot emphasize enough what a fantastic experience this science fair is for students and judges alike.”***

Why Judge at the SSEF of Florida – STEM Competition?

- Gain personal satisfaction and inspiration from these motivated young scientists and engineers.
- Support STEM education.
- Earn community service or outreach credit from your business, school, or institution.
- Take a break and give back to a good cause

More than 900 students representing all Districts in the state of Florida will be in Lakeland to compete for more than 1.2 million in awards, scholarships, internships and prizes. These middle and high school students are the top winners of our 37 regional science fairs from Florida.

Student finalists overwhelmingly say that the most significant interactions that they have at the fair are with the judges. Likewise, judges find their discussions with these outstanding students to be a positive and uplifting experience. The objective evaluation of projects by Category Place Award Judges is the most important aspect of the fair and determines the distribution of prizes, awards, and scholarships.

By volunteering for only one day, you can play an important role in encouraging these students to become the future science and engineering leaders of tomorrow. Judging will take place at The Lakeland Center starting at 8:00 AM and lasting through 5:00 PM on Wednesday, March 28, 2018. Unfortunately we are not able to support travel expenses, but we will provide the morning breakfast, breaks, and lunch between Judging Rounds.

Affiliated science fair directors and Finalists’ teachers are generally NOT eligible to serve as Place Award Judges.

We would appreciate your help recruiting other judges for the SSEF of Florida by contacting your colleagues and friends. You may direct individuals interested in judging to this website to register, view the descriptions for the 13 Categories in which finalists will compete, and review the Policies and Procedures for Judging.

You may view the [Judging Schedule](#) and our [Judging Policies](#) and [Procedures](#)

If you know of any other contacts for Judging, please direct them to this website and/or send the information to nancybesley@gmail.com. Thank you and we look forward to seeing you **WEDNESDAY, March 28th** at the RP Funding Center (*Lakeland Center*), Lakeland.

[Register to be a judge at the 63rd State Science and Engineering Fair](#) of Florida – STEM Competition

Online Registration Now Open

<http://www.ssefflorida.com/judging>

SAVE THE DATE



ENGINEERS IN GOVERNMENT NIGHT 2018

WHEN: March 29, 2018 | 5:30 to 8:00 PM

WHERE: LAKE WORTH CASINO BLDG. BALLROOM

You are invited to an annual event that honors the accomplishments and contributions of engineers in public and private practice in Palm Beach County.

Presented By:

The American Society of Civil Engineers, Palm Beach Branch



Guest Speaker: Robin Kemper, P.E., LEED AP, F. ASCE
ASCE 2018 President-Elect

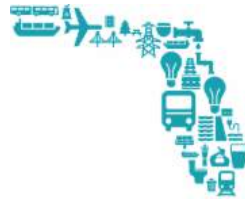
5:30 to 6:30 PM – Dinner Reception

6:30 to 8:00 PM – Guest Speaker & Awards Presentation

Cost to attend is **\$20 per guest** - includes dinner and parking in a reserved section of the Lake Worth Casino Bldg. parking lot.

[EIGN 2018 REGISTRATION](#)

Contact **Vijay Mishra PE** at 561-682-2810 or vimishra@sfwmd.gov for **Sponsorship Opportunities or Awards Nominations**



ASCE

FLORIDA SECTION ANNUAL CONFERENCE

2018 | INNOVATIVE INFRASTRUCTURE

July 12-13 at the The Vinoy® Renaissance | St. Petersburg, FL

CALL FOR SPEAKERS

The 2018 Annual Conference for the ASCE Florida Section will be held at The Vinoy, July 12-13, 2018. The Annual Conference is the largest event held by the Florida Section and is attended by hundreds of municipal and private firm engineers/managers from across Florida and the surrounding states. The technical sessions at the Annual Conference have something of interest for everyone.

Technical sessions will be offered in 30-minute and 50-minute sessions and the final technical program schedule will be based on submitted presentations. The technical sessions will provide 1 Continuing Education hour (CE) for a 50-minute presentation and 0.5 CE for a 30-minute presentation. Technical content will be reviewed by the ASCE Florida Section for consistency with our continuing education guidelines and will be generally aligned with our Institutes in the following categories:

Presenting at this conference:

Earns 2x the CE Credits

Highlights the successes of
your career
and company

Gives back to the
profession

Reduces conference
registration fee

Geotechnical



Structural

Transportation &
Land DevelopmentEnvironmental &
Water ResourcesUtility Engineering
& SurveyingProfessional
Development

If you or someone you know is interested in being a presenter at the 2018 ASCE Florida Section Annual Conference, we ask you to visit www.asceflconference.org and complete the call for speakers form on any of the topics listed above by **January 15, 2018**.

Notification of abstracts selected for presentation will begin **February 15, 2018 (subject to change)**. Speakers will be invited to register at a reduced rate. Speaker registration information will be sent upon notification that the abstract has been selected for presentation.

I'm ready to submit

Just click to visit the online submission form.

Please note there will be word limits on the submissions.

[SUBMIT](#)



Enjoy the historic Vinoy Resort

From the time it opened at the dawn of 1926 to its current incarnation as one of St. Petersburg's most spectacular waterfront resorts, this timeless treasure still impresses with its lofty pedigree, along with an

ability to survive decades of neglect, winds of change and painstaking renewal. For 85 years, The Vinoy® Renaissance St. Petersburg Resort & Golf Club has been - and always will be - a place to relax, play, indulge and savor the good life.

ASCE Florida Section | judy@fla-asce.org | www.fl-a-asce.org

World Environmental & Water Resources Congress

Minneapolis, Minnesota, June 3-7, 2018

Protecting and Securing Water and the Environment for Future Generations

Top 7 Reasons to Attend

-
- Earn Professional Development Hours.
 - Network with industry leaders and make valuable contacts.
 - Connect with exhibitors showcasing state of the art products, services and solutions.
 - Interact with leaders in the profession and learn about professional trends.
 - Participate in the policy dialogue on water resource and environmental issues affecting the profession.
 - Learn about the latest trends and techniques being applied in the industry.
 - Meet top students, a highly qualified pool of potential employees.
-



2018 ASCE-FL Doubleheader Seminar - Ft. Lauderdale

We invite all PE's to join us at a
one-day seminar at
FDOT District 4

**Registration closes at 5pm
Friday, March 16, 2018!**

EVENT DATE

Friday, March 23, 2018

TIME

8:00am to 4:30pm

LOCATION

FDOT District 4
3400 W Commercial Blvd.
Ft. Lauderdale, FL 33309

*seminar will be in the building
BEHIND the District office

PDH's

We are offering 8 CEHs towards your license renewal.

AGENDA

8:00am - 10:00am

Post Pipe Installation/Solutions for Failing Culverts

Presented by Sarah L. Matin, PE, Florida Concrete Pipe Association

10:00am - 12:00pm

Updates to the Florida Building Code

Presented by Tim Moore, Bracken Engineering

12:30pm - 2:30pm

Alternative Delivery Methods

Presented by Robert Garland, PE, DBIA

2:30pm - 4:30pm

Laws, Rules & Ethics

Presented by Ed Bayo, Esq, Grossman, Furlow & Bayo LLC

The member cost is \$225 and the non-member cost is \$275 - both include lunch.

[Register here for the event.](#)

Questions?

Please contact Judy Nichols, Executive Director, with any questions regarding this event.

Thank you for your support of the Florida Section ASCE.

Save the DATES!!!

- **Monthly Palm Beach ASCE Luncheon: April 4th at FAU**
- **Spring Joint Society Mixer: April 12th**
- **SECME Olympiad: April 7th at Santaluches High School**
- **Engineer for a Day (Broward): May 2nd**



EVENTS, SOCIALS AND FIELD TRIP RECAP!

ENGINEERING FAMILY FUN

ASCE and SWE put on the 10th Annual Engineering Family Fun Day (EF2D) on Saturday, February 10 at Dreher Park. It was a great event with 100 attendees including volunteers hosting different engineering activity booths, such as bottle rockets, balloon car, battery robot fan, lemon power and unpoppable balloon.



Grassy Waters

ASCE Members enjoyed a 90 minute guided canoe tour at the Grassy Waters Preserve learning about the history of the Preserve and how it is the headwaters of the water supply to the City of West Palm Beach. Check out the website to enjoy the fun with family and friends! <http://wpb.org/grassywaters/>



SECME Olympiad

SECME (Science, Engineering, Communications, Mathematics, Enrichment) is a program that strives to increase the pool of students who will be prepared to enter and complete post-secondary studies in the STEM fields. This program reaches out to elementary and secondary students who are historically under-represented in the STEM fields with the long-term goal of creating a more diverse and globally competitive workforce. Our ASCE Palm Beach members volunteered for the event on February 24th.



MONTHLY LUNCHEONS

December 12th, Elizabeth Landowski, Senior Geotechnical Engineer in the Geotechnical, Dams, and Hydraulics section of Gannett Fleming out of their Jacksonville, Florida office gave an excellent presentation discussing historical infrastructure failures, the current state of infrastructure in the United States and Florida, and the role engineers play in flipping the script and changing the mindset on infrastructure investment from reactive to proactive



January 9th, Angel De Jesus, PE is a Technical Resource Engineer for County Materials Corporation in Astatula, Fl. Angel is a registered professional engineer in the state of Florida since 1994. His specialty is pipe materials manufacturing, design and installation. He is also a "Specialty Engineer" in the practice of post installation assessments of newly installed pipelines, providing services to County Materials Corporation customer base and state engineering firms conducting construction engineering inspection of stormwater pipeline systems. He holds a bachelor degree from the University of Puerto Rico at Mayaguez and is an active member of the ASCE and ASTM committees C13, F17 and F36.

February 13th, Michelle McIntyre of GFA International, Inc presented on the number of hazardous activities that are specific to the civil engineering sector, and as well as covering the general hazards, a civil engineer needs to consider the following: 1.What are the hazardous activities impacting civil engineers/ 2.Health and safety regulations impacting the construction industry (I can discuss silica briefly here). 3.How the EMR affects civil engineering firms. 4.How to develop a civil engineering health and safety plan. 5.How safety saves money



March 13th, Jose Guardiario, MSc, P.G., P.E. a Principal Engineer with the South Florida Water Management District Engineering and Construction Bureau presentated on the impact of seepage on the stability of dams and levees associated with the SFWMD Ten Mile Creek Water Preserve Area. The presentation covered the major geotechnical parameters to be considered when designing levees and dam embankments for above ground water storage areas/reservoirs, to ensure long term stability of levees and dam embankments.

