Palm Beach Branch Update



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

Dates to Remember:

- Dec. 9
 Joint Societies
 Holiday Party
- Dec. 13
 ASCE Palm Beach
 Branch Monthly
 Lunch Mtg.
- Jan. & Feb. 2017
 ASCE Florida
 Section
 Doubleheader

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President's Message

Greetings Palm Beach Branch members! I am excited to serve as your new branch President this year, following in the great steps that Brent Whitfield left. We have an exciting year ahead as we celebrate our branch's 65th anniversary! The year kicked off with a great Joint Societies Mixer attended by many members at City Tap House. Next, was our November lunch meeting and corresponding field trip to the ECR Biosolids Improvements project, which was quite an impressive site. We look forward to many more field trips and a Spring Joint Societies Mixer.

I recently attended the ASCE Florida Section quarterly board meeting on behalf of the branch, which is a great opportunity to exchange ideas with other branches and keep in touch with the Florida Section and the Society as a whole. The Doubleheader events were announced (see details provided in this newsletter). Also discussed was ASCE landmarks and a potential list of landmarks that may be researched and application packages submitted. February 7-8, 2017 will be the Fly/Drive-In to Tallahassee to meet with legislators and discuss the Infrastructure Report Card. Look for more information to come from the Florida Section if you'd like to attend.

One of our goals this year is to have great representation and support of the film premier of "Dream Big", an engineering film about discovery, which is being released during E-week in February 2017. Also the National Infrastructure Report Card is being released this week. We will keep you posted on local events for this monumental occasion! Another goal for the branch is to raise funds for FAU as they host the ASCE Southeast Student Conference in March 2017. This is a large undertaking to be the host school to 1200+ students competing in concrete canoe, steel bridge, geotech, technical paper and other events. We are

asking our members to contribute and sponsor and our branch has pledged to match funds up to \$3000. Feel free to contact me with questions or for more information. Our biggest asset in reaching our goals is your participation and enthusiasm. A defining characteristic of the ASCE Palm Beach Branch has always been the large group of dedicated professionals who appreciate the benefits of participation for both the membership and the community at large. In that vein, I would encourage everyone to either join or renew their membership to ASCE for the coming year. The National organization tremendous service provides а advocating for infrastructure spending at the State and Federal level and in representing our profession. In addition, a portion of your Society dues go towards funding the State Section and the Local Branch where impacts can be seen directly. Plus, you get a subscription to Civil Engineering Magazine. The Palm Beach Branch has always been about serving our local professionals and our community. I look forward to the opportunity to continue that service in the year ahead. Sincerely.

Julie Parham, P.E.

President, ASCE Palm Beach Branch

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

~See attached forms~

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: Tuesday, December 13, 2016 from 12:00 -1:00 P.M.

SPEAKER: Bonnie McLeod, P.E., Vice President of Engineering at Atlantic

Environmental Systems (AES)

TOPIC: General Design Criteria for Wastewater & Stormwater Pump Stations

DESCRIPTION:

- General design criteria for wastewater & stormwater pump stations including:
 - Understanding peak flow
 - o Hydraulic calculations for the head condition
 - o Pump station run times
 - o Pipe Velocity
 - o Force main vs. manhole connections
- Explanation of grinder pumps vs. non-clog pump, including reading and understanding a pump curve
- Explanation of permitting requirements in the tri-county area
- Overview of control panel design and operation
- Review of maintenance of pumps stations
- Benefits of fiberglass and HDPE vessels for wastewater pump stations

WHERE: Vista Center – 2300 N. Jog Road, West Palm Beach, FL 33411 (Room 1E-58)

LUNCH COST: Pay at meeting: \$10 cash/check or \$10.28 by credit card.

Pay using on-line registration at http://branches.asce.org/palmbeach \$10 by credit card

Please make your reservation prior to 9:30am on the day of the meeting. Contact Vijay Mishra at 561-682-2810 if you need assistance.

ASCE Member Benefits

Do you know the **benefits** of being a member of ASCE nationally? Did you know that you get **5 FREE PDH webinars annually**? Did you know that you get discounts on car rentals through Avis, Budget, and Hertz as well as discounts on insurance, financial services, Lenovo products, GoodRX, UPS, Toughbooks, technical documents, webinars, journals and ASCE conferences?

Check out the member benefits at: http://www.asce.org/member-value/.

Check out the member advantages at: http://www.asce.org/member_advantages/.

To become an ASCE member for \$240 per year, visit: http://www.asce.org/join/. Our local branch membership dues are \$40 per year, paid with your ASCE national membership dues. These dues help fund our branch activities, scholarship and events.

\$3,000 Match Campaign for ASCE Southeast Student Conference

The ASCE Southeast Student Conference is coming to Boca Raton in 2017!

Every year over 1,000 students from more than 20 universities participate in civil engineering related competitions at the ASCE Southeast Student Conference. The conference consists of 2 major competitions, the Steel Bridge Competition and Concrete Canoe Competition, along with 16 smaller engineering competitions. The conference will be hosted by FAU at the FAU Boca Raton campus from March 16-18, 2017.

An event this big needs help from the local engineering community. As a commitment of our support, the **ASCE Palm Beach Branch is pledging to match the first \$3,000 in donations** from our membership and local businesses. The ASCE Florida Section and ASCE Broward Branch have pledged sponsorships in support. Please join us in supporting the engineering students, and give yourself an opportunity to meet the future leaders of our profession. See attached flyer for more details.

Donate here: http://public.eng.fau.edu/design/asce2017/sponsorships.html

Donation Deadline: December 31, 2016

Questions: Contact Julie Parham at jparham@lakeworth.org when you've donated or become a sponsor

Check out the conference website for more details at http://public.eng.fau.edu/design/asce2017/index.html





STEEL BRIDGE Winner Goes to ASCE Natl.



CONCRETE CANOE

Races on the Water



WOOD BRIDGE Load Testing



ENVIRONMENTAL Clean Some Water



PROFESSIONAL PAPER
Winner Goes to ASCE Natl.

ECRWRF Biosolids Improvement Project Field Trip

On November 10th the ASCE Palm Beach Branch visited the **East Central Regional Water Reclamation Facility (ECRWRF) Biosolids Improvement Project** construction site. Hazen & Sawyer and Poole & Kent gave us a tour of the project site. The field trip was a follow up to the presentation by Kurt Pfeffer, P.E. at the November lunch meeting describing the project. The tour was complete with a safety and project briefing, followed by a walking tour of the facility – including taking a look inside the 40-ft diameter digesters! Stay tuned for the next field trip coming





FAU TAU BETA PI SPEED NETWORKING EVENT

ASCE Members volunteered to do mock professional interviews and resume reviews for twenty FAU engineering students on November 22nd at the FAU campus in Boca Raton. It was a great opportunity to provide feedback to the students and connect with future engineers! Kudos to our fellow Branch member David Cowan, for organizing this event which was so appreciated by the students who attended.

JOINT SOCIETIES FALL MIXER

Members of ASCE, AWWA, FES, WTS, ITE, APWA, ASME, and ASLA enjoyed a Thursday evening Joint Societies Fall mixer on October 27th at City Tap House in City Place. More than seventy members from the societies were present and enjoyed one drink each courtesy of the societies. It was a great event enjoyed by all and we look forward to the Spring Joint Societies Mixer planned for Spring 2017.

HABITAT FOR HUMANITY BUILD DAY

ASCE members from Palm Beach Branch joined members of the FAU ASCE Student Chapter in Boynton Beach for a Habitat for Humanity Build Day on November 19th. Members enjoyed getting to work side by side setting up scaffolding for a home.



SOCIAL MEDIA



ASCE Palm Beach Branch is on Facebook!

<u>Click here</u> to check it out and friend the page to keep updated.

The page features info about upcoming events, photos from past events, job postings, and a means of connecting online. If you have ideas or things to post please contact Thomas Montano (Tmontano@teamgfa.com).

ASCE FAU

AMERICAN SOCIETY OF CIVIL ENGINEERS



Approximately 1200 students from 26 schools will be participating in exciting engineering competitions, like the concrete canoe and steel bridge events, followed up by a job fair and an awards banquet.

For more information please visit 2017asce.fau.edu

ASCE at FAU is hosting the ASCE Southeast Student Conference in March 2017. This requires a lot of planning, sponsorships & partnership with the ASCE Palm Beach Branch. Please consider becoming a sponsor to help make the event a success!

SPONSORSHIPS

TITLE SPONSOR \$30,000 ONE Available

PLATINUM SPONSOR \$20,000

TWO Available

GOLD SPONSOR \$10,000

SILVER SPONSOR \$5,000

BRONZE SPONSOR \$2,500

See the sponsorship details online at 2017asce.fau.edu.

Sponsors can pay online at s.fau.edu/asce-sponsor or with a check made payable to FAU FOUNDATION, INC. with ASCE 2017 as the memo.

SPONSORSHIP CONTACT

If you would like to partner with the FAU Department of Civil, Environmental and Geomatics Engineering for this event, please contact:

Tamsyn Carey Director of Development and Outreach College of Engineering & Computer Science 561.297.2083 tcarey2@fau.edu





The portion of your payment that qualifies as a charitable contribution will be reflected on the receipt you receive from the FAU Foundation, Inc. The amount of your payment that exceeds the fair market value of any consideration you received in the form of privileges or any other benefits will be the amount that may be deductible as a charitable contribution. Consult with your tax advisor for deductibility of your charitable gift.

Job Postings

Job Title: **Professional Engineer – Five Positions Available**

Location: South Florida Water Management District - West Palm Beach, FL

Description: Do you enjoy preserving and restoring the vital natural environment? Value the opportunity to contribute to projects of great environmental significance, while working alongside some of the brightest minds in the field? If so, the South Florida Water Management District might be the place for you!

> We are currently searching for five professional engineers to join our team in West Palm Beach, Florida. These positions will provide technical support and problem solving associated with permitting and water quality data analysis; issue the day-to-day orders required to provide flood damage reduction, water supply, water quality compliance, and environmental restoration; be responsible for ensuring proper coordination during capital refurbishment of infrastructure and construction of new projects; coordinate, review, and participate in complex hydrologic and hydraulic engineering initiatives which have a significant impact on major ecosystem restoration programs; plan, schedule, conduct, and coordinate detailed phases for a standard engineering project or process; and interpret flow measurements at laboratory and environmental scales using modern metering technologies. One is a supervisory position that will lead multi-discipline design teams, serve in a design capacity as a technical expert responsible for the preparation of construction drawings, technical specifications and supporting design reports and calculations for a broad range of water resource related projects.

Interested yet? If so, go to www.sfwmd.gov/careers to learn more about these positions and to apply now and embark on your next worthwhile adventure! The SFWMD offers competitive wages and benefits. EOE. Job Reference: 1557BR-Staff Engineer; 1635BR-Lead Engineer/ Water Manager; 1630BR-Staff Engineer; 1631BR-Senior How to Engineer; and 1618BR-Section Leader/ Engineering Design.

Apply:

Contact: Tammy Germain Phone: 561-682-6321

Email: tgermain@sfwmd.gov

Job Postings

CHEN-MOORE

&ASSOCIATES

CIVIL ENGINEERING

ENVIRONMENTAL ENGINEERING

PLANNING

LANDSCAPE ARCHITECTURE

GEOGRAPHIC INFORMATION SYSTEMS

CONSTRUCTION ENGINEERING & INSPECTION



















CMA IS HIRING!

Chen Moore and Associates, currently celebrating our 30th "Chenniversary," is a multi-disciplinary consulting firm with various employment opportunities in all of our offices. Chen Moore and Associates is currently collecting resumes from interested candidates for the positions listed below.

- Senior Engineer Miami Office Junior Engineer(s) Fort Lauderdale Office CAD Technician(s) Fort Lauderdale Office
- Construction Inspéctor Fort Lauderdale Office
- Landscape Architect Intern/ Designer West Palm Beach and Orlando
- Senior Landscape Architect Orlando Office
- FDOT Roadway Inspector(s) Gainesville Office

Please visit www.chenmoore.com for more information these employment opportunities. Interested candidates can email resumes to jobs@chenmoore.com.



SPECIAL THANKS TO OUR 2016 SPONSORS













Offices throughout Florida | 866.909.2220 | www.wantmangroup.com



Environmental Geotechnical Construction Materials Testing Roof Consulting Services Special & Threshold Inspections Plan Review & Code Compliance

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GFA International, Inc. 1215 Wallace Drive Delray Beach, FL 33444

(561) 347-0070 Office (561) 395-5805 Fax www.teamgfa.com

ces

BORED??

The CQMI (Construction Quality Management & Inspection) Committee is looking for new members.

The Construction Institute offers individuals and organizations working in all sectors of the construction industry the opportunity to network with other professionals, sharpen skills and shape the future of the industry by participating in technical activities, conferences and the development of internationally recognized standards.

Construction engineers manage the construction site and the construction process, such as; Project scheduling, Equipment selection, Mobilization of project materials, Analyzing progress, Safety planning, Quality control and inspection, Acting as liaison with the public, and Designing temporary structures.

Please send resumes to Mark Baker mbaker@ibaconsultants.com



CONSTRUCTION INSTITUTE

2016-2017

Branch Officers

PRESIDENT

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P: 561-840-0870 jparham@LakeWorth.org

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P: 561-840-0264 marline.daceus@kimley-horn.com

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Brent Whitfield, P.E.

P: 561-615-8800x202 bwhitfield@adaeng.net

2016-2017

Committee Chairs

SCHOLARSHIP PROGRAM CHAIR

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FAU STUDENT ADVISOR

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2016-2017

Committee Chairs Continued

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WEBMASTER

Thomas Montano

P: 772-924-3575 Tmontano@teamgfa.com

FAU ASCE STUDENT CHAPTER PRESIDENT

Rick Joseph

rjosep10@fau.edu

FAU FACULTY ADVISOR

Dr. Frederick Bloetsher

fbloetsc@fau.edu

Visit us on the Web at:

http://branches.asce.org/palmbeach/

2016-2017

Florida Section Officers

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crader@altamonte.org

PRESIDENT-ELECT

Robert Jackson, P.E.

robert.jackson@rsandh.com

TREASURER

Sarah Matin, P.E.

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PAST PRESIDENT

Jose Acosta, P.E. jacosta@chenmoore.com

DISTRICT I VICE PRESIDENT

Marta Alonso, P.E.

malonso@hazenandsawyer.com

REGION 5 GOVERNORS

Steven Goldstein, P.E. steven-goldstein@att.net

Peter M. Moore, P.E. pmoore@chenmoore.com

Visit the Florida Section at:

www.fla-asce.org



Palm Beach Branch P.O. Box 20456 West Palm Beach, FL 33416



Join your friends and colleagues for an elegant evening of live Jazz music on the Intracoastal Waterway, with specialty cocktails by Potions and Motions, and handmade culinary delights by Chef Michael of Aioli.

Please bring an unwrapped toy to donate to the Marine's Toys for Tots program.

Sponsored by: PBC Planning Congress, Florida Engineering Society, PB Chapter American Society of Landscape Architect PB/TC Section, L APA-FL Treasure Coast Section

Purchase Tickets @ http://www.pbcplanningcongress.org/



THANKSGIVING ASCE FOOD DRIVE 2016

THROUGH DECEMBER 13TH

PLEASE HELP BY DONATING NON-PERISHABLE FOOD ITEMS

MOST NEEDED ITEMS FOR PALM BEACH COUNTY FOOD BANK DISTRIBUTION:

| Pop-Top Food Items | Shelf-stable Milk | Canned Tomato Products |
|---------------------|-------------------------------------|-----------------------------------|
| Hot or Cold Cereals | Beans (pinto, black beans) | Canned Meals (Ravioli, Spaghetti) |
| Rice | Plastic/Canned Juices | Canned Stew & Chili |
| Pasta | Canned Meat (tuna, salmon, Chicken) | Canned & Dry Soups |
| Mac and Cheese | Jelly (plastic containers) | Canned Vegetables |
| Peanut Butter | | Canned Fruit |

NO GLASS ITEMS & ONLY UN-OPENED ITEMS

WORKING TOGETHER WITH THE PALM BEACH COUNTY FOOD BANK



FOR MORE INFORMATION CONTACT:

PAULA FONSECA @ (561)281-4480 (pfonseca@chenmoore.com) OR VIJAY MISHRA @ (561)284-5336 (vimishra@sfwmd.gov)





2017 Doubleheader Announcement

Please disregard if you have already registered.

The Florida Section ASCE is hosting three doubleheader events in January and February at FDOT for 8 hours of professional development credit:

- Wednesday, January 18th in Ft. Lauderdale at FDOT District 4
- Tuesday, January 31st in Tampa at FDOT District 7
- Tuesday, February 14th in Ocoee (Orlando) at FDOT Turnpike Enterprise

Laws/Rules/Ethics - 2 PDH

This is the required 2 hour course presented by Ed Bayo, Esq. of Grossman, Furlow & Bayo.

Florida Building Code - 2 PDH

Presented by Tim Moore, CBO, of Bracken Engineering.

Structural Fundamentals - 2 PDH

Presented by Frank Lancaster, PE, EYP/AE, Inc.

Water Quality and Water Supply - 2 PDH

- Ft. Lauderdale Presented by Steven Memberg, PG, South Florida Water Management District and Pamela London-Exner, Tampa Bay Water
- Tampa Presented by Tom Kiger, PE, Southwest Florida Water Management District and Christine Owen, Tampa Bay Water
- Ocoee (Orlando) Presented by Tom Kiger, PE, Southwest Florida Water Management District and Christine Owen, Tampa Bay Water

COURSE LOCATIONS

Wednesday, January 18, 2017

FDOT District 4 Auditorium

(located behind the FDOT District 4 Building 3400 W. Commercial Blvd. Ft. Lauderdale, FL 33309

Tuesday, January 31, 2017

FDOT District 7 Headquarters Auditorium

11201 N. Malcolm McKinley Dr.

Tampa, FL 33612

Tuesday, February 14, 2017

FDOT Turnpike Enterprise Auditorium

Turkey Lake Service Plaza - Mile Marker 263 Florida Turnpike, Ocoee



2017 Doubleheader Announcement Continued

COST

The member cost for the full day seminar is \$225. The non-member cost for the full day seminar is \$275. Registration includes lunch.

REGISTER

Click here to register for Ft. Lauderdale on January 18th

Click here to register for Tampa on January 31st

Click here to register for Ocoee (Orlando) on February 14th

Click here for the registration brochure

HOTEL ACCOMMODATIONS

Blocks of rooms have been reserved for each seminar. Please contact the hotel directly to book your room:

Ft. Lauderdale Holiday Inn & Express

1500 W. Commercial Blvd. Ft. Lauderdale, FL 33309 954-772-3032

\$129 per night, use group code FDOT (deadline for room reservations is Jan. 13, 2017)

Tampa Hampton Inn & Suites - Tampa North

8210 Hidden River Pkwy.

Tampa, FL 33637 813-903-6000

\$147 per night, use group code FLASCE (deadline for room reservations is Jan. 16, 2017)

Ocoee (Orlando) Hilton Garden Inn

5877 American Way Orlando, FL 32819 407-363-9332

\$147 per night, use group code FLASCE (deadline for room reservations is Jan. 13, 2017)

QUESTIONS

Please contact Judy Nichols, Executive Director, Florida Section ASCE



ASCE NEWSLETTER ADVERTISEMENT 2016 - 2017 PALM BEACH COUNTY, FLORIDA

SPONSORSHIP & ADVERTISEMENT FACT SHEET / INVOICE

| <u>CIRCULATION</u> | Approximately 700+ members of the Palm Beach Branch ASCE Email List | | | | | |
|------------------------------|---|------------------------|------------------|-----------------------|----------------|--------|
| <u>FREQUENCY</u> | 4 newsletters distributed electronically each quarter (FEB / MAY / AUG / NOV) & Advertisement on ASCE Palm Beach Branch website for 12 months | | | | | |
| PUBLICATION SIZE | 8-1/2 inches x 1 | 1 inches | | | | |
| <u>COST</u> | \$100 per listing | | | | | |
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| Amount Enclosed | | - | | | | |
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| | | | | | | |

Marline Dacéus, E.I.

ASCE Palm Beach Branch Secretary 1920 Wekiva Way

West Palm Beach, FL 33411

Email: Marline.Daceus@kimley-horn.com

Phone: 561-840-0264



ASCE JOB POSTING 2016 - 2017 PALM BEACH COUNTY, FLORIDA

FACT SHEET / INVOICE

| CIRCULATION | Approximately 700+ members of the Palm Beach Branch ASCE Email List | | | |
|------------------|--|---------------------|---------------------------|--|
| FREQUENCY | 2 newsletters distributed electronically each quarter (FEB / MAY / AUG / NOV) & Job posting on ASCE Palm Beach Branch website for 6 months | | | |
| PUBLICATION SIZE | 8-1/2 inches x 11 inches | | | |
| COST | \$50 per listing | | | |
| INFORMATION FOR | LISTING: See for reference | : http://www.palmbe | ach-asce.org/listings.asp | |
| Job Title: | | | | |
| Location: | | | | |
| Description: | | | | |
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| Address | City | State | Zip | |
| Telephone | Email | | | |
| Payee: | | | | |
| Amount Enclosed | | | | |

Send check (Payable to ASCE Palm Beach Branch) and job posting (email preferred) to:

Marline Dacéus, E.I.

ASCE Palm Beach Branch Secretary 1920 Wekiva Way West Palm Beach, FL 33411

Email: Marline.Daceus@kimley-horn.com

Phone: 561-840-0264