Palm Beach Branch QUARTERLY

2018 | Q4

INSIDE

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PRESIDENT'S MESSAGE

Greetings Palm Beach ASCE Members! It's the holiday season again and that means it's time for a new year for the Palm Beach County Branch of ASCE. I am exited to serve as your President! I would like to thank Julie Parham for her five years of service as a board member and Past President Raymond Sciortino for his leadership and vision over the year.

We started this year with the Dream Big movie (Finally!) at the October Luncheon, followed by the membership appreciation party at the Steam Horse Brewery. Hurricanes and Florida being inseparable, we had a couple of interesting presentations by Troy Bishop, PE, about Hurricane Irma Damage Assessment & the SEER Program. On the EWRI front, Dr. Jin gave a thought-provoking presentation on the impact of hurricane induced storm surges on Lake Okeechobee. In September, Brent Whitfield, PE, introduced the young member group to water resource management in south Florida at the YMG event. Earlier this month Frank Bennardo PE introduced us to Augment/Virtual Reality in civil engineering during November luncheon.

Beginning in January, we have a lot of existing events coming up. One of the main goals for this year is to start the GI (Geotechnical Institute) Chapter in Palm Beach County. Earlier this month, the steering committee, headed by Shawn Gao, met for the first time and discussed the proposed plan for the GI Chapter. We are planning to collaborate this year with the FAU Civil Engineering Department on the Senior Design Showcase and hopefully continue this support in the years ahead. As the Palm Beach County Branch continues to grow, we plan to add two to three Directors to help the board with more activities.

We continue to make efforts to increase our social media presence with the new Linked-in and Twitter page (@ascepalmbeach1) where we are sharing Branch updates and activities. Continuing with the theme of Dream Big, we will be distributing the movie CD to every public school in Palm Beach County. If you are interested in taking the CD personally to a school, please email me with your name and the school by the end of the year.

I recently attended the ASCE President's and Governor's Forum in Reston, VA where I learned a great amount about ASCE and leading the branch. I made key connections with other ASCE branch presidents and learned about available resources. It was a great opportunity to hear technical presentations and network. Our Vice President, Tom Montano, attended the ASCE Florida Section quarterly board meeting on our behalf. This was a great opportunity to exchange ideas with other branches and keep in touch with the Florida Section and the Society as a whole.

On a social front, we will continue to hold our ASCE monthly luncheons at Palm Beach County and quarterly EWRI luncheons at SFWMD. We will also start a quarterly GI luncheon at SFWMD in January 2019. In addition to the luncheons, we will hold the annual Bowl-A-Thon and sponsor the Legislative Breakfast and Engineers In Government Night (EIGN). We will also continue to collaborate with other engineering societies in Palm Beach County as opportunities arise.

I would like to thank each member of this branch for their continuing support. A special thank you to all of our annual and event sponsors who help us meet our Branch goals. Our biggest strengths in reaching our goals are your participation and enthusiasm. I encourage everyone to either join or renew their membership in ASCE for the coming year. The National organization provides a tremendous service in advocating for infrastructure spending at the State and Federal levels and in representing our engineering profession. A portion of your National dues goes towards funding the State Section and the Local Branch where impacts can be seen directly. 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.

Vijay Mishra, P.E.
President, ASCE Palm Beach Branch
vmishra@sfwmd.gov

Upcoming Events

FRIDAY 12/7
6:30-10:00pm

WHERE
Beach Club at Lake Worth Municipal Golf
One 7th Avenue North
Lake Worth, Fl 33460

CONTACT
Erin Sita
The Palm Beach County Planning Congress, Inc.
561-596-4378
hoylandpbcpc@gmail.com

COST $45

Annual Joint Societies Holiday Party

Please join us Friday, December 7th as we kick off the holiday season with our annual Joint Societies Holiday Party. This year's event is being held at the Beach Club at the Lake Worth Municipal Golf Course on the Intracoastal Waterway. A buffet of appetizers, dinner and dessert and one (1) drink ticket are both included. See you there!

Click Here To Register

Sponsored By:

- Palm Beach County Planning Congress
- Florida Engineering Society, Palm Beach Chapter
- American Society of Landscape Architects, PB/TC Section
- APA-FL Treasure Coast Section
- American Society of Civil Engineers, Palm Beach Branch

PALM BEACH COUNTY PLANNING CONGRESS, INC.

December Luncheon

Five Fundamentals of Successful Land Rehabilitation

TUESDAY 12/11
12:00-1:00pm

Palm Beach County Engineering Dept. Building
2300 North Jog Rd. (Vista Center)
West Palm Beach, FL
Room 1E-58

Stabilizing construction sites in South Florida is easy, right? You simply achieve final grade, lay some sod, be sure to add plenty of fertilizer and water, and in a few weeks you have hopefully received your Notice of Termination (NoT) and the project is turned over to the owner or your maintenance department. But do things always work out so nice?

PRESENTER:
Marc S. Theisen, M.Sc., CPESC, CPSWQ, CESSWI is Vice President of Business Development and Technical Services for Profile Products, LLC, of Buffalo Grove, Illinois, USA. He is a Certified Professional in Erosion and Sediment Control (CPESC), Certified Professional in Storm Water Quality (CPSWQ) and Certified Erosion, Sediment and Storm Water Inspector (CESSWI) with over 25 years of experience in erosion/sediment control and storm water management on six continents. Marc will offer a proven and holistic approach to stabilize your sites via the establishment of sustainable vegetative cover.

+1 PDH APPROVED

Profile
Solutions for your Environment

Holiday Toy Drive

Bring Donations to December Lunch Meetings or Drop Off at Chen Moore

CONTACT
Pfonesca@chenmoore.com
Tchapman@chenmoore.com

Deadline is Noon on DECEMBER 17th

Bring Donations to 12/11 ASCE Meeting or drop off at Chen Moore & Associates, Inc. 500 Australian Avenue South Suite 850, West Palm Beach

Contact Teresa Chapman at tchapman@chenmoore.com to arrange for a pick up

**DONATE DIRECTLY* to www.placeofhope.com/donate*

Donations Needed:

Learning Toys	Dress Up Costumes
Super Hero Toys	Art Sets
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Wooden Puzzles	Jewelry Kits
Building Blocks	Bikes
Toy Cars	Sports Gear
Scooters	Portable Speakers
Littlest Pet Shop	Nail Polish
Baby Dolls	Wireless
Princess Dolls	Headphones

TO BENEFIT:
Place of Hope
Placing Hope In A Child's Future.

Donate Directly to Place of Hope by clicking HERE

Upcoming Events

Thursday, January 17, 2019 | 12:00pm
TOUR: Seacoast Utility Authority Membrane Water Treatment Plant

Friday, January 25, 2019 | 8:00am to 4:30pm
Florida Section Double Header | FDOT District 4, Ft. Lauderdale

[Click Here To Register]

Friday, January 25– Saturday, January 26, 2019
Eastern Regional Young Member Conference | Orlando, FL

Friday, Feb 1, 2019 | 7:00 to 9:45am
Annual Joint-Societies Legislative Breakfast | Palm Beach Gardens Marriott

[Register to Become a Sponsor]

Sunday, February 10, 2019
MATHCOUNTS!

WANT TO VOLUNTEER?

Email: Lexi Johnsen

Tuesday February 19– Wednesday, February 20, 2019
Legislative Fly-in to Tallahassee

[MORE INFO]

February 2019 | TBA
Palm Beach County SECME Olympiad | Santa Luces Community High School

In Case You Missed It...

Get Your **PDH CERTIFICATES** → http://branches.asce.org/palmbeach/resources

NOVEMBER LUNCHEON

Virtual and Augmented Reality Developments for Engineers

SUMMARY: The concept of VR is now everywhere but few engineers understand the practical, everyday applications of this fast emerging tool. This presentation covered affordable hardware and software that's available today and possibilities of how using the equipment now can have a profound effect on the life cycle of design, construction, and maintenance by offering unprecedented connectivity to BIM, instant calculations, geo tagging, digital measuring, heat and moisture mapping, and things yet to be invented. The presentation also touched on the connection to Solidworks and laser measuring tools that are extensions of this base technology.

PRESENTER : Frank Bennardo is a Board Certified Professional Structural Engineer licensed in over 30 states in the US. He has utilized his talents to create companies that continue to reshape the construction and engineering industries. As founder and President of Engineering Express®, Mr. Bennardo brings unprecedented corporate structure to building component engineering across America. His accomplishments include his patented Hurricane Netting System, which continues to excel as a leader in fabric storm protection, EngineeringPlans.com and ecalc.io, both groundbreaking advancements in the field of building component engineering. Mr. Bennardo continues to manage his companies, speaks at national events, and is active on boards in his fields of expertise.

OCTOBER LUNCHEON

Screening of MacGillivray Freeman's DREAM BIG Engineering our World

SUMMARY: Upon first consideration, it might not seem the stuff of grand cinematic adventure. But could engineering secretly be an exciting, creative, heroic realm where the optimists of today are creating the life-saving, world-altering marvels that will make for a safer, more connected, more equal and even more awe-inspiring tomorrow?
With an eclectic, stereotype-bursting engineer cast, the huge story told by Dream Big answers that question with a resoundingly "yes" using a series of surprising human stories to expose the hidden world behind the most exciting inventions and structures across the world. It is not only a journey through engineering's greatest wonders, but equally a tale of human grit, aspiration, compassion and the triumph of human ingenuity over life's greatest challenges.

SEPTEMBER LUNCHEON

Florida Keys Hurricane Irma Damage Assessment: Structural Damage, Failure Modes, & the SEER Program

SUMMARY: Troy Bishop was a responder in the Keys performing damage assessment following Hurricane Irma. This presentation will review the causes and signs of structural damage from hurricanes and hurricane force winds, examine structural failure modes noted after the Hurricane Irma, discuss the first deployment of the SEER program in Florida during Irma.

PRESENTER: Troy Bishop, P.E., G.C. is a licensed Florida Professional Engineer and General Contractor. His's passion for helping people has allowed him to successfully handle leadership responsibilities throughout his career while his technical expertise in high-velocity hurricane environments has garnered him praise with national clientele. In 2015 he founded Axiom Structures to assist architects, contractors, and the general public with field inspection reports of in-progress construction, value-engineered structural designs, and project development. He has broad experience in numerous aspects of physical design and building, renovations, inspections, technology implementation, and design efficiency. His direct familiarity with investors, owners, architects, manufacturers, contractors, and building officials has given him skill not only as a forward-thinking entrepreneur, but as a consulting professional who can understand and work through the complications of designing and building in South Florida.

AUGUST LUNCHEON

Geotechnical Construction Techniques

SUMMARY: The presentation will provide an overview of different geotechnical construction techniques, with case histories. They include specialty grouting techniques, vibro systems, Rigid Inclusions, Soil Mixing, deep excavations and Bottom Plugs for underground parking garages, sheet piles and tieback anchors.

PRESENTER: Nick Syriopoulos is a Business Development Manager for Hayward Baker Inc, in Hollywood, FL. He is a member of ASCE and holds a BS and MS in Civil/Geotechnical Engineering from Georgia Tech. Mr. Syriopoulos has 30 years geotechnical construction engineering and management experience. He is specialized in ground improvement methods, specialty grouting, as well as underpinning and excavation support. In the past, he has managed 2 Industrial Minerals companies overseas.

In Case You Missed It...

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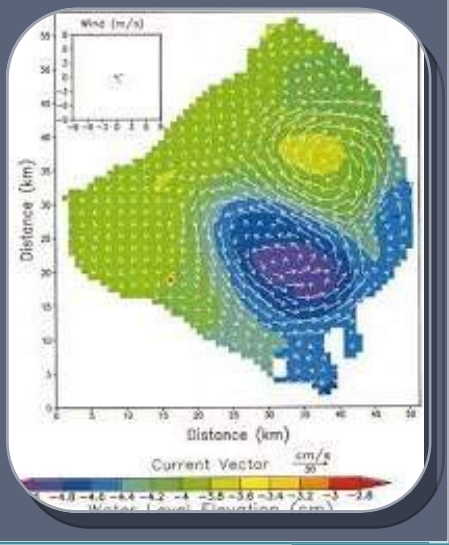
OCTOBER EWRI LUNCHEON

Hurricane-Induced Storm Surge on Lake Okeechobee, Florida



SUMMARY: Strong hurricanes are the most devastating and damaging natural hazards impacting on Lake Okeechobee. The hurricane storm surge will cause over-topping of the levee, and the strong currents will cause the levee foundation erosion and will lead to dam breach. Timely and accurate forecasts of expected storm surge and inundation in nearby regions during hurricanes will facilitate timely and efficient evacuation, thus reducing damages to properties and lives. In this presentation, the storm surge model based on the Lake Okeechobee Environmental Model (LOEM) will be presented. The LOEM can be used to provide detailed information regarding water elevation, 3-D current, water temperature, circulation patterns, sediment resuspension and deposition, water quality, and submerged aquatic vegetation (SAV) distribution. This system can be used as a real time system if the wind field information can be immediately updated by the hurricane path forecasting and archive the meteorological data through National Hurricane Center.

PRESENTER: Kang-Ren Jin, is Lead Scientist at the South Florida Water Management District. Dr. Jin has more than 25 years of experience in hydrologic/hydrodynamics/sediment/environmental analysis and modeling. He also obtained research grants from US Army COE and NASA. He is the co-developer of the Lake Okeechobee Environment Model (LOEM). He is a charter member of the Engineering Mechanics Institute, ASCE and a Graduate Faculty Scholar at University of Central Florida. He has authored/co-authored 96 technical publications and manuscripts.

Meet your 2019 ASCE Palm Beach Branch Officers and Committee Chairs

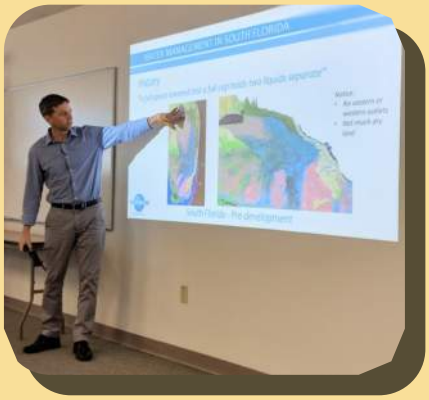
2019 Palm Beach Branch Officer Installations

OCTOBER 2018

If you'd like to get involved in an ASCE Committee, contact the Committee Chair or Executive Board **CLICK HERE for Contact Info**

SEPTEMBER YMG LUNCHEON

Water Management in South Florida



SUMMARY: South Florida is a unique environment where the past present and future of development is largely dependent on the policy and infrastructure of water management. The intention of this presentation is to provide a historical and technical context for the system we have today. Starting with an introduction to why the geology and topography of South Florida necessitate a complex system to drain water for flood protection and conserve water for the environment and public water supply.

PRESENTER: Brent Whitfield, PE is the Director of Water Resources for Chen Moore and Associates. With 15 years of professional experience, Mr. Whitfield has worked for a variety of public sector clients at the City, County and State level. Some of his most significant projects have included regional master plans and large-scale design efforts. A highlight of his experience to date was the hydraulic design of the 4,500-acre Expansion Area 1 for Stormwater Treatment Area 1W, which will help meet the water quality goals of Everglades restoration. His current responsibilities with Chen Moore include business development, project management and detailed design.

2018 Member Appreciation Party

OCTOBER 2018

Thank you ASCE members for supporting the Palm Beach Branch.
Remember to renew your membership for the 2019 year!

CLICK TO RENEW YOUR MEMBERSHIP

What Have We Been Up To?

EF²D
ENGINEERING FAMILY FUN DAY

11th Annual Engineering Family Fun Day

Saturday, 11/3
10am—2pm
Dreher Park

What do you do with over **160** 5 to 11 year old kids on a Saturday??
Lead them through engineering activities, of course!

EF2D volunteers and sponsors led hands on engineering activities for the kids and parents.
Don't miss out on sponsorship and volunteer opportunities for next year's event!

Justin Tagle (YMG Co-Chair)

Madeley Arriola (K-12 Chair & YMG)

Build a Rocket
Gum Drop Dome
Hurricane Challenge
Lit Bot Programming
Chocolate Asphalt
Build a race car
Wiggle bots
Let's make slime
Eat your science
Guess the Engineer

Brent Whitfield, P.E.( )

South Florida Water Professionals Support
water for people
5th Annual Homebrew Contest and Fundraiser

No Water? No Beer!

Learn More About **Water For People**

Click HERE

FAU INFRASTRUCTURE NIGHT

TUESDAY, 10/23 | 4:00-8:00PM
FLORIDA ATLANTIC UNIVERSITY THEATER
777 Glades Rd. Boca Raton, FL 33431

KEYNOTE SPEAKER
Gerry O'Reilly
Florida Department of Transportation
District IV Secretary

Thanks to everyone you attended the FAU Infrastructure Night, supporting the Civil, Environmental & Geomatics Engineering students' activities!

Attendees were able to obtain
two (2) Ethics for Engineers CEUs for the night!

Innovate or Die – Why the Construction Industry Needs Innovation Now

By Merouane El Kaoussi, El

"Innovate or die" has long been the motto of marketers, tech-savvy entrepreneurs, and those working on the cutting edge of the health and science industries.

Nevertheless, the word "innovation" seems absent in the construction sector. The construction industry is one of the oldest and largest in the world, playing a key role in the development and economic growth of all industrialized nations, yet we are using the same basic building techniques we have for over a century.

Let's explore why that is, how the sector can benefit from implementing new technologies, and what firms can do to be part of the innovation wave—because the results point to one key conclusion: the construction industry needs innovation now more than ever.

Why the Problem Exists

It's hard for some to gauge what exactly causes companies and industries to innovate, yet the answer is simple: the necessity for change. In the healthcare industry, the bionic eye and artificial heart exist because of the finite supply of healthy, compatible organs needed for the sick and injured. Telecommunication giants push the boundaries of smartphone technology to get ahead in a highly competitive market. So, what's driving the construction industry?

Construction's last major innovations were during the Industrial Revolution, brought about by population growth and business expansion. Today, the construction sector faces the dawning of another new age, and it has everything to do with environmental protection and population growth.

Based on a 2016 World Economic Forum report, the construction sector is the largest global consumer of raw materials in the world, responsible for approximately 30% of the world's total carbon emissions. In this context, the aphorism "innovate or die" is quite real. Meeting the needs of rapid population growth is contributing to a decline in global environmental resources. The construction industry has a large role in fixing this dilemma. Rising sea levels add to the complexity of the situation. The Environmental Protection Agency estimated that between 1996 and 2011, 20 square miles of land were converted to open water along the East Coast of the United States due to rising sea levels.

Thus, the need to re-evaluate how we construct isn't just pressing—it's a matter of survival. It is time to prioritize sustainability in the construction sector and it cannot be done without innovation. This requires new technology, new building materials, and new sources of energy capable of maximizing efficiency and lowering our carbon footprint. It is absolutely vital we begin reshaping the industry today.

Available Innovative Technology

There is an abundance of new technology at our disposal. Utilizing drones for large surveying projects helps cut down on field time, increases survey precision, and reduces safety issues. Drones can monitor sites and report on project progress or potential problems. Virtual and augmented reality can help visualize every step of a project, with a realistic look at the final product. This helps by identifying potential problems early in the design phase—reducing or

eliminating the rework process. In turn, there is an increase in the project's profitability and a resource waste decrease. Waste reduction can also be achieved by using 3D printers already revolutionizing the healthcare and automotive industries. Moreover, these sophisticated printers can aid in creating more complex shapes that can be used in construction.

Other than technology, we can explore other building materials that can help reduce our use of raw materials. In the Netherlands, a scientist named Hendrick Jonkers developed the first bio self-healing concrete. When the concrete cracks, water infiltrates the concrete and activates a dormant bacteria that creates limestone. This makes the concrete more durable, lowering the maintenance cost, and reducing the amount of concrete needed. Another example of similar technology is Breathe Brick, which filters air before it has time to infiltrate a building. The bricks are formed from porous concrete and have an inner filter that acts as a vacuum, eliminating 30% of pollutants from the air.

Even now, certain construction approaches exist to help lower our industry's carbon footprint by utilizing sustainable energy sources. In fact, renewable energy can be generated from the daily use of our infrastructure. The State of California is testing the process of generating energy from the vibrations caused by roadway traffic. A company called Pavegen used the same concept to extract energy from footsteps using high-tech prefabricated pavers. Portland Water Bureau and Riverside Public Utilities are also clean energy pioneers, adopting Lucid Energy's new technology on their gravity fed water system by adding a turbine to control excess water pressure while generating energy. So, why don't we see these technologies more readily implemented?

What's Holding the Construction Industry Back

A 2016 survey conducted by KPMG showed that the construction industry's biggest hurdle to implementing innovation is the stakeholders' mindset. Construction companies don't want to venture on "the road less traveled" in such a risky sector, where a miscalculated move can put a whole company on the line. Because of the aggressive timeline and budget allocated to each project with its relatively low profitability, there is a preference for traditional construction tools and time-tested processes. The other major challenge is the sheer number of players involved in any given construction project and their weight on the decisional scale. For example, a revolutionary material chosen by a developer may not be accepted by a regulatory agency or new VR hardware used by an architect may not be compatible with the old technology used by the engineering firm. The most pressing issue is the lack of investment in research and development within the construction sector. A 2013 EU Industrial R&D Investment Scoreboard shows that the construction industry is at the bottom of the list, with an investment of less than 1% of net sales. What is this telling us?

What the Data Shows

The data shows us that a change in the mindset of the industry and its shareholders is more urgent now than ever—that companies need to start adding innovation in their strategic plans as soon as possible—and that it is just a matter of time before we see the sector's leading companies embracing this post-industrial era of construction. Sustainable construction with the use of new technology will not only boost productivity and increase profitability, but also create a safer work environment. The use of new technology will also attract more millennials, filling the gap left by the retiring baby boomers. Innovation isn't just a choice — it's a must.

Merouane El Kaoussi, El
Senior Engineer Intern

Merouane El Kaoussi is a project engineer in the Civil Department with over three years of experience covering all aspects of design, permitting, bidding and construction inspection for municipal, institutional and private sector projects. Merouane obtained his bachelor of science from the University of Montreal in 2011 and worked as an EWP Manager for Bell Canada in Montreal prior to his employment with WGI.

JOB POSTING

Lead Civil Engineer and/or Senior Civil Engineer

Lead Civil Engineer and/or Senior Civil Engineer (two positions) – Job Ref : 2099BR

The candidate shall be an experienced Civil or Coastal Professional Engineer that serves in a hands-on Civil and/or Coastal engineering design capacity as a technical expert responsible for the preparation of construction drawings, technical specifications and supporting design reports and calculations, reviewing designs performed by others, evaluating and processing engineering change control requests, provides technical coaching to less seasoned engineering staff and preparing and updating District standards for a broad range of water resource related projects for the Bureau.

Designs are for new construction and refurbishment of aging infrastructure. The types of project work this position will provide engineering design support to will include, but will not be limited to:

1. Water control structures including concrete and/or sheet pile elements, gates and weirs, personnel access platforms/ walkways, fall protection.
2. Culvert repairs and/or replacements including box culverts and large diameter pipes.
3. Concrete pump stations, generator buildings, IT shelters and control buildings including precast, tilt wall and cast in place designs.
4. Levees, canal bank repairs, stabilization, dredging, scour repair and environmental restoration.
5. Cofferdams, bypass flows, and other design elements related to construction phasing / sequencing / constructability.
6. Civil sitework for new and existing communication tower facilities and for each of the other above described projects.

Lead Engineer: Typically has a Bachelor's Degree, Master's Degree preferred, from an ABET/EAC accredited program and 8+ years of experience that demonstrates measurable career progression and increased responsibilities within the engineering discipline are required. Discipline for engineering education and experience requirements is Civil, Coastal/ Ocean, Environmental, or other related engineering discipline.

Senior Engineer: Typically has a Bachelor's Degree, Master's Degree preferred, from an ABET/EAC accredited program and 6+ years of experience that demonstrates measurable career progression and increased responsibilities within the engineering discipline are required. Discipline for engineering education and experience requirements is Civil, Coastal/Ocean, Environmental, or other related engineering discipline.

Licenses:
Professional Engineer license is required for Lead, Senior or Staff Engineer

Valid State of Florida Professional Engineer (PE) license required or ability to obtain Florida PE license within six months of employment by reciprocation of Professional Engineer license from another state.

Apply Online HERE

JOB POSTING

Water/Wastewater Engineer III

POSITION: Water/Wastewater Engineer III

POSTION LOCATION: West Palm Beach or Fort Lauderdale, FL

POSITION SUMMARY:
Mathews Consulting, a Baxter & Woodman company, has a rewarding opportunity for a full-time Water/Wastewater Engineer III in our West Palm Beach or Fort Lauderdale, FL office. The position will be in our Water/ Wastewater Group. The Water/Wastewater Engineer III will assist with managing projects, developing business, serving clients and designing pump stations, water and wastewater projects. The successful applicant will be provided with a rewarding combination of design and fieldwork assignments and excellent career development opportunities.

POSITION DUTIES:

- Design of storm water, potable water and wastewater pipelines and pumping stations
- Evaluation and study of water and wastewater treatment plants
- Preparation of storm water, potable water and wastewater master planning reports
- Planning and review of storm water, water and wastewater infrastructure improvements
- Develop, plan, and design drinking water and wastewater treatment projects
- Prepare engineering project proposals with the marketing team
- Make decisions independently and take responsibility for project engineering solutions
- Provide technical guidance, mentor and develop project team members
- Represent the company in client and agency meetings to resolve questions and to plan and coordinate work
- Develop and enhance client relationships and business growth
- Work with department managers to develop department standards and complete peer reviews
- Represent the company at Professional organizations.
- Application of sustainable design elements as they relate to water and energy conservation and efficiency

REQUIREMENTS:

- Registered Professional Engineer in Florida
- B.S. degree in Civil Engineering, or in Environmental Engineering. Water/wastewater treatment and hydraulic coursework
- 5 or more years of experience in the design of water and wastewater projects
- Must have pump station design experience
- Ability to travel throughout Palm Beach County, Broward County, Martin County and Monroe County areas (own transportation)
- Excellent technical writing skills
- Ability to work in a team environment
- Excellent technical writing skills
- Strong written, verbal, computer and organizational skills

Mathews Consulting, a Baxter & Woodman company, is an equal opportunity - affirmative action – M/F/Vet/ Disability employer

Apply Online HERE

JOB POSTING

Staff Engineer

POSITION: Staff Engineer

LOCATION: Delray Beach, FL

SUMMARY:
The engineer will participate in all aspects of our geotechnical services. This will consist of inspecting geotechnical sites, staking boring locations, obtaining drilling permits, supervising drill crews, classifying soil samples, performing settlement calculations, preparing geotechnical reports, and assisting with proposal preparation and billing, among other responsibilities.

This position requires a B.S. in Civil Engineering.

Other Job Requirements:

- Preferably EI or EIT licensed
- 0 to 5 years of experience in the geotechnical industry
- Experience in geotechnical report preparation and development of appropriate geotechnical recommendations is a plus
- Strong background in soil mechanics
- Capable of conducting and supervising field exploration activities

Contact:
Estela Leon Aguilar
561-347-0070
ELeonAguilar@teamgfa.com

Apply Online HERE

2018-2019 SPONSORS

CONTACTS

2018-2019 Branch Officers

President
Vijay Mishra, P.E.
P: 561-682-2810
vimishra@sfwmd.gov

Vice President
Thomas Montano,P.E.
P: 772-204-4239
tmontano@teamgfa.com

Treasurer
Teresa Chapman
P: 561-746-6900x1104
tchapman@chenmoore.com

Secretary
Marly Trier
P: 561-799-3855
marlena.trier@jacobs.com

Past President
Raymond Sciortino, P.E.
P: 561-799-3855
raymond.sciortino@jacobs.com

ASCE
FLORIDA SECTION
Palm Beach Branch
Celebrating 65 Years of Excellence

Palm Beach Branch
P.O. Box 20456

Please verify/update your mailing/email information with

ASCE National Headquarters

at

1-800-548-2723 (ASCE)

or

http://www.asce.org/membership

2018-2019 Committee Chairs

Young Members
Yehya Siddiqui
P: 561-445-9254
YSiddiqui@TaylorEngineering.com

Sara Fox
sfow@baxterwoodman.com

Justin Tagle
jtagle@chenmoore.com

Newsletter Editor
Julie Parham, P.E.
jparham@lakeworth.org

Social Media & Webmaster Chair
Estela Aguilar
P: 954-232-1401
eleonaguilar@teamgfa.com

Membership Champion
Khaled Abdelli
P: 561-682-6430
Khaled.Abdelli@radise.net

EWRI
Brent Whitfield
P: 561-746-6900x1160
bwhitfield@chemoore.com

Seyed Haji, Ph.D., E.I.
P: 561-682-643
shajimir@sfwmd.gov

Emily McBryan
P: 561-713-1320
emcbryan@collectivewater.com

Geotechnical Institute
Shawn Gao
hgao@sfwmd.gov
Kumar Allady
kumar.allady@radise.net
Jose Gomez
jgomez@ecslimited.cpm

Legislative Breakfast
Brent Whitfield
P: 561-746-6900x1160
bwhitfield@chemoore.com

Justin Tagle
jtagle@chenmoore.com

Community Outreach
Paula Fonseca, P.E.
P: 561-281-4480
pfonseca@chenmoore.com

Madeley Arriola
marriola@chenmoore.com

K-12 Outreach
Madeley Arriola
marriola@chenmoore.com

Emily McBryan
P: 561-713-1320
emcbryan@collectivewater.com

Scholarship Program Chair
Seyed Haji, Ph.D., E.I.
P: 561-841-0103
shajimir@sfwmd.gov

FAU ASCE Student Chapter President
Darryn Long
dlong2012@fau.edu

FAU Student Outreach
Nitesh Goli
Nitesh.Goli@Radise.net

FAU Faculty Advisor
Dr. Frederick Bloetsher
fbloetsc@fau.edu

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2018-2019 Florida Section Officers

President
Rachel Haeseler, P.E.
haeselerRA@gru.com

President-Elect
Chris Sharek, P.E., ENV SP
chris@shareksolutions.com

Secretary/Treasurer
Barton Fye, P.E.
barton.fye@kimley-horn.com

Past President
Robert Jackson, P.E.
robert.jackson@rsandh.com

District I Vice President
Tzufit Boyle, P.E.
tzufit.boyle@gmail.com

Region 5 Governors
Sarah Matin, P.E.
sarahl.matin@rinkerpipe.com

Jeff Earhart, P.E.
jeff.earhart@cpwgengineering.com

Region 5 Director
Peter Moore, P.E.
pmoore@chenmoore.com

Visit the Florida Section at:

www.fla-asce.org