Palm Beach Branch Update



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

Dates to Remember:

- March 8 Monthly Lunch Mtg
- April 6
 FAU Concrete Exo/
 Fair & ASCE Happy
 Hour Mixer
 afterwards
- April 7
 Engineers in Government Night
- April 12
 Monthly Lunch Mtg.
- Click here for other events - It's constantly updated!

https://teamup.com/ks54946 81d4ab8f81f/

Contents:

President's Message	1
New Website	2
Upcoming Monthly Meeting	2
EIGN	3
Math Counts	4
SECME	5
ASCE MRLC	6
In the News	7
Field Trip	8
ASCE South East Student Conference	9
Job Postinas	10-12

President's Message

The year has started off with some great events that have continued the traditions of the Palm Beach Branch in technical training, professional networking and community involvement.

On the technical front, we are excited to announce that we have a newly established Chapter of the Environmental & Water Resources Institute (EWRI) in Palm Beach. We will launch the Chapter with our May 10th Luncheon by Pete Singhofen showcasing the ICPR4 software. The next major event for EWRI will be the International Congress being held May 22-26 at The Breakers. We hope these events will serve to launch our Chapter as a prominent feature of our local community of water resources professionals. In addition to the progress in our EWRI chapter, our Young Member Coordinator Vijay Mishra recently held a technical field trip showcasing the L-8 Reservoir Project. All attendees gave great reviews.

These past few months we were blessed by great turnouts at two social events. Many thanks to Fattoush Jafar for our Joint Societies Mixer in January. Based on the success of the event, we are planning another one for this summer and hope to see you there. We also joined with the FAU Student Chapter for a successful mixer on-campus during E-Week. Look for more events with FAU in the months to come. These students are the future of our profession and we are excited to have them involved. Unfortunately, we had to reschedule the February picnic to the disappointment of many. Please keep your calendars open because we haven't given up on hosting some Cornhole and Hula hoop tournaments in the future.

One thing I am most proud of this year has been our continued commitment to K-12 education. Already this year we have been participants in the STEM Education Council with the PBC School District. We provided volunteers at MathCounts with FES and at the Elementary SECME competition. We have also had several engineers in the classrooms of Freedom Shores Elementary and JFK Middle. If you want to help out, please contact me anytime, there is plenty of need and it is always very rewarding.

Our next few months should be very exciting as we continue to gather together to help our profession and our community. With the Bowl-A-Thon in March and Engineers in Government Night (EIGN) in April there will be a lot going on. EIGN will be especially exciting with Dr. Norma Jean Mattei as our keynote speaker. Dr. Mattei is the President-Elect of the National ASCE Organization. We are honored to host her at our event. EIGN is also the time of year where we recognize the best of our profession, with the Project, Engineer, Young Engineer, and Government Engineer of the Year. We also plan on recognizing recent inductees into Lifetime Membership. Don't forget to submit your nominations, and come out to support the honored recipients.

We are proud of the impact each of these events have on our profession and community. I look forward to seeing you in the weeks and months to come as we continue to uphold this tradition.

Sincerely,

Brent Whitfield, P.E.
President, Palm Beach Branch
bwhitfield@adaeng.net
@EngineerBrent

Advertising Opportunities

Renew your Newsletter & Website Sponsorship: \$100 for 2016 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~

New WEBSITE

We are pleased to announce that the ASCE Palm Beach Branch has a new and improved website.

Go check it out at: http://branches.asce.org/palmbeach/

Please use the new website for staying up to date with the latest branch news and for making your lunch reservations for our monthly lunch meetings, beginning with our next lunch meeting on March 8, 2016. The old website is in the process of being shut down and will no longer be updated.

Upcoming Monthly Meeting

WHEN: Tuesday, March 8, 2015 from 12:00 -1:00 P.M.

SPEAKER: David Beall

TOPIC: Resins – Fad or Future (PDHs to be offered are pending)

DESCRIPTION:

Resins are now being used where concrete once was for soil stabilization, slab lifting and leak repair. Two recent case studies at the Port of Palm Beach will be shown. A successful sinkhole fill and lift using a combination of Prime Resin 920 and Precision Lift, and a 200 foot plus section of sea wall where multiple leaks were successfully sealed.

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

LUNCH MENU: \$10 cash/check or \$10.28 by credit card. Use the on-line registration provided at http://branches.asce.org/palmbeach/

Please make your reservation prior to 9:30am on the day of the meeting. Contact Samantha Reilly at 561-209-7786 if you need assistance.

ENGINEERS IN GOVERNEMNT NIGHT

The ASCE Palm Beach Branch will be hosting the annual **Engineers in Government Night (EIGN)** at the South Florida Water Management District Headquarters in West Palm Beach on **April 7**th, **2016**.

EIGN honors the accomplishments and contributions of engineers in the public and private practice in Palm Beach County. Take some time to recognize your colleagues and nominate them for an award to be presented at this event in the following categories: *Civil Engineer of the Year, Young Civil Engineer of the Year, Government Civil Engineer of the Year and Outstanding Project of the Year.*

Sponsors are an important part of making this event free to attendees and contributing to the FAU ASCE Branch as they host the ASCE Southeast Student Conference in 2017, as well as our local scholarship! See attached nomination and sponsorship forms to be submitted by **March 18, 2016**.

This year we have a special guest speaker, **Dr. Norma Jean Mattei, the ASCE National President-Elect!**

Recently, Dr. Mattei addressed the US Senate Committee on Environment & Public Works. The link below will take you to a website with a video of the committee meeting. Dr. Mattei speaks between time 48:30 and 55:12. Attached is her statement that she submitted to the committee on behalf of ASCE concerning the condition of water resources infrastructure in our nation.

http://www.epw.senate.gov/public/index.cfm/hearings?id=F8A0C8CC-D434-4CE1-B135-FE27586D25B6

MathCounts 2016

We were pleased to help FES with the annual MathCounts event held at the Gulfstream School. There were 11 schools and roughly 90 Mathletes in attendance. Many congratulations to Eagles Landing Middle School for their strong performances in the morning and afternoon sessions. Many thanks to the volunteers who came out to proctor and grade the exams as well as judge the competition. At ASCE we are always grateful for the opportunity to help FES with their tireless efforts at this event.

For those of you that have never attended, it really is amazing to watch middle school students face off to answer a tricky math question in less than 60 seconds in front of an auditorium of their peers. Below is a sample question for you to try out. Don't forget to set your timer.

A group of children stopped to buy ice cream from a stand that sold 9 different flavors of ice cream. When every child in the group had purchased one double-scoop cone with two different flavors, every possible two-flavor combination had been served exactly once. If none of the children purchased the same two flavors, how many children were there in the group?



Elementary SECME 2016

We were pleased to help the Palm Beach County School District with the annual Elementary SECME competition on February 27th at Santaluces High School. The Science Engineering Communications Mathematics & Enrichment (SECME) competition this year drew 900 elementary students from roughly 60 schools. Competitions included the water bottle rocket, balsa wood bridge, generator, mousetrap car, brain bowl and others. Many thanks to the volunteers from ASCE and FES who helped to set-up and judge various competitions. The event was a terrific success as always and we are eagerly looking forward to the Middle and High School Event on April 9th.







ASCE MULTI-REGION LEADERSHIP CONFERENCE

Julie Parham and Tzufit Boyle attended the annual ASCE Multi-Region Leadership Conference in Pittsburgh, Pennsylvania February 12 and 13. Representatives from branches and sections in Florida, Georgia, South Carolina, North Carolina, Virginia, West Virginia, Pennsylvania, Maryland, DC, New Jersey, New York, Louisiana, Alabama, Tennessee, Mississippi, Arkansas, Kentucky, and Indiana attended the conference to network and hear ideas of how to help improve and expand each branch, as well as learn all of the resources available from national ASCE. We learned a great deal about how other sections communicate the results of the ASCE Report Card to legislators and the public, manage their websites, engage younger members, and the numerous tools and people available at ASCE National Headquarters in Reston, Virginia. Additional discussions centered around the need for evaluation of education requirements for the profession. We also had a chance to talk with Dr. Norma Jean Mattei, ASCE National President-Elect 2016, who will be our guest speaker at EIGN this year. It was a successful conference and we were proud to represent the Palm Beach Branch and collaborate with other branches.



IN THE NEWS

RADISE International recently hosted Gov. Rick Scott and Lt. Gov. Carlos Lopez-Cantera at the grand opening of its SMART STRUCTURES manufacturing facility in West Palm Beach, FL, which is anticipated to create over 60 new jobs in the next few years. Governor Scott presented Kumar with the Governors' Business Ambassador Award for his achievements and involvement with Enterprise Florida.

The SMART STRUCTURES technology is used globally for monitoring concrete structures and structural elements. Its Embedded Data Collector (EDC) technology allows for the monitoring of concrete structures from fabrication through the life cycle of the structure. This technology can lower project costs by reducing overbuild factors (Factors of Safety (FOS)), expediting construction time, lowering risk and increasing structural certainty. Over 100 FDOT bridge projects have been completed using EDC technology, and new projects are ongoing in Florida, Virginia, Louisiana, Texas and California. The SMART STRUCTURES technology will be complemented by RADISE's Engineering Design Group and Field Support Personnel.

Congratulations to our fellow ASCE member Kumar Allady, President of RADISE International, on this recent achievement. It should be mentioned that Kumar received the ASCE Palm Beach Branch Engineer of the Year award at the 2015 Engineers in Government Night.

More information on the ceremony and SMART STRUCTURES can be found at the following links.

http://www.flgov.com/2016/01/25/governor-scott-announces-60-new-jobs-at-radise-international/

http://www.mypalmbeachpost.com/news/business/gov-scott-praises-riviera-beach-engineering-firm-f/nqCDN/

www.smart-structures.com

FIELD TRIP

SFWMD L-8 Flow Equalization Basin (FEB) / Reservoir

The South Florida Water Management District (SFWMD) took us on a tour of the L-8 FEB/reservoir construction site earlier this month. The L-8 FEB/reservoir located at a retired rock quarry in Loxahatchee, Florida has a storage capacity of approx. 46,000 acre-feet (15 billion gallons) and is one of Florida's largest man-made reservoirs. When completed the L-8 FEB/reservoir will improve water quality in the Everglades by giving water managers a greater capacity to attenuate/balance stormwater flows to local stormwater treatment areas (STAs) during the wet and dry seasons. Improved attenuation/balancing of flows to these STAs, will improve the hydroperiods and the health of the aquatic vegetation in these STAs and thereby improve the capacity of these STAs to remove phosphorus from stormwater before it is conveyed to Water Conservation Area (WCA) No. 1, known as the Arthur R. Marshall Loxahatchee National Wildlife Refuge.





SOCIAL MEDIA

ASCE Palm Beach Branch is on Facebook! Check it out and friend the page to keep updated: https://www.facebook.com/ASCEPB?ref=hl



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 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!

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

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

Engineer in Training II: Civil Job Title:

Location: Stanley Consultants, Inc. - West Palm Beach

Description: Stanley Consultants is an international, member-owned consulting firm providing Planning, Design, and Construction Management Services in Water, Energy, and Transportation. In 2013, we celebrated our 100th anniversary. We believe in empowering our members (employees) to achieve their professional potential.

> Civil Engineering within Stanley Consultants, offers diverse and challenging opportunities that set us apart from our competitors. Our engineers work on a wide variety of projects including design and analysis of buildings and large non-building structures; from water and wastewater treatment structures to drainage and flood control structures to military facilities.

Responsibilities include:

- Perform a variety of assignments requiring the application of standard civil design engineering techniques, procedures and criteria for small projects or selected segments of larger projects.
- Preparation and checking of design computations and quantity estimates.
- Assisting senior engineering staff with: Analysis and interpretations of hydraulics, field data, drawing layouts, site layouts, and interdisciplinary coordination.
- Technical analysis in preparation of reports for engineering studies.
- Preparation of design plans and specifications for all disciplines of civil engineering design applications.
- Hydraulic modeling using the USACE HEC-RAS River Analysis software.
- Assist in client contact and communication pertaining to specific projects.
- Occasional field work and travel will be required.

Job Requirements:

- Must possess a Bachelor of Science degree in Civil Engineering AND have at least 2 years of relevant engineering experience
- Must possess EI (Engineer Intern aka EIT) registration/licensure
- Possess experience with CADD graphics software such as AutoCAD
- Must have experience with Civil 3D
- ArcGIS and numerical modeling experience is a plus
- General proficiency with computers is required
- Possess experience with Microsoft Word, Excel and PowerPoint
- Previous experience with engineering design and analysis software is a plus

Equal Opportunity Employer: Minorities, Women, Veterans, Disabilities.

How to Apply:

Our recruitment process begins with an online application. To apply, please visit our website www.stanleyconsultants.com or simply cut and paste the following link in your web browser: https://rn21.ultipro.com/sta1011/jobboard/NewCandidateExt.aspx? JobID=2641

Job Postings

Job Title: Civil Engineering, Land Planning & Drafting Services

Location: Cotleur & Hearing, Inc. – Jupiter

Description: Provide Civil Engineering, Land Planning & Drafting services to support substation and

transmission projects. Services include storm water calculations, AutoCAD and Microstation drawings, ERP permitting, land planning, NPDES plans and permitting,

SPCC Plans and FDOT connection permits.

Skills required:

Excellent communication, presentation skills and hand graphics

Demonstrates self-motivation and the ability to work independently as well as within a team structure

Professional registration desired

List of programs required:

AutoCAD 2011 or later

Microstation

· Proficient in commonly used software

Compensation: Salary and benefits are commensurate with position and qualifications

Employment type: Full-time

How to Those interested in applying should send a resume, cover letter and work samples to:

Apply: Cotleur & Hearing, Inc.
Attn: Sandra Bruorton

1934 Commerce Lane, Suite 1

Jupiter, FL 33458

Email: sbruorton@cotleur-hearing.com

Job Postings

Job Title: Highway Construction Project Engineer

Location: Ranger Construction - West Palm Beach

Description: Posted 09.28.15 Ranger Construction is a major Florida road building, site work, asphalt and

south through the Florida Keys. The Project Engineer is responsible for assisting engineering and construction project managers with the technical disciplines involved in ensuring that projects are completed per specifications and within time and budgetary constraints. Responsibilities include schedule preparation, pre-planning and resource forecasting for engineering and other technical activities relating to the project. Develop project objectives by reviewing proposals and plans; Determine project responsibilities by identifying phases and elements when reviewing bids from contractors. Determine project specifications by studying product design, customer requirements, company standards and performance standards; complete technical studies; prepare cost estimates; Determine project schedule by studying project plan and specifications, calculating time requirements and sequencing project elements; Coordinate activities concerned with technical developments, scheduling and resolving engineering design and test problems. The position requires a Bachelor's degree, strong analytical, organization skills, as well as detail orientation and good oral and

written communication skills. Ability to work under pressure and handle multiple assignments

simultaneously. Ranger Construction offers a full benefit package. Please email or fax

excavation contractor serving customers from the greater Orlando area through Daytona,

resumes to 561-792-1408. For additional company information please visit our website at www.rangerconstruction.com EOE/V/DFW

How to Apply:

Contact Monique Gors at 561-784-3548 or Monique.Gors@vecelliogroup.com

ASCE EWRI International Congress

Save the date for the World Environment & Water Resources Institute Congress – May 22-25, 2016 – that is coming to WEST PALM BEACH!

Where: Palm Beach County Convention Center, West Palm Beach, FL Visit www.ewricongress.com for more information.

ASCE Florida Section Conference

Save the date for the annual ASCE Florida Section Conference – July 14-16, 2016 Where: Omni Riverwalk Hotel, Jacksonville, FL

A call for abstracts will be coming out soon, so keep an eye out if you have a topic!



SPECIAL THANKS TO OUR 2016 SPONSORS







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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

2015-2016

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2015-2016

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2015-2016

Committee Chairs Continued

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Dr. Frederick Bloetsher

We're on the Web!

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

2015-2016

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Visit the Florida Section online at:

www.fla-asce.org



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