



Palm Beach Branch

2020 | Q1

INSIDE THIS ISSUE

President's Message

Events

Everyday Engineering
STEM @ Home

EIGN Awards

Luncheon Recaps

Job Postings

Sponsors

Palm Beach Branch QUARTERLY



PRESIDENT'S MESSAGE:

Greetings Palm Beach ASCE Members!

What a crazy year it's been so far! I hope everyone is doing their best to keep their families, friends and coworkers safe during this unprecedented time. Our personal and work lives seemed to get flipped upside down overnight and we all had to take a look at how our daily lives at home and the office would be affected moving forward. We were all faced with situations that were new and uncomfortable, but we all did what engineers do best. We adapted to the situation, used the tools and knowledge we had available. We looked to colleagues and researched new ways to communicate and get our projects completed. We as engineers took a situation no one has ever faced before and created new ways to work together and continue to push forward.

We had our annual Engineers in Government Night canceled. We as ASCE use this event as a time to shine a spotlight on some of our amazing society members. Even though we didn't get together in 2020 it doesn't diminish the amazing ASCE Palm Beach Members and their accomplishments. We look forward to highlighting our reward recipients in this newsletter and show off some of our amazing colleagues.

As ASCE Palm Beach Board Members, we all miss being able to get together at our monthly luncheons, we miss getting together on our field trips and social gatherings. We also miss just seeing our peers out in the community.

As a father of two amazing little kids and the husband of a beautiful wife and Palm Beach County School Teacher it has been a very difficult time trying to juggle what is now becoming the new "normal". As a manager of 50+ employees and working for a firm who never skipped a beat during this pandemic, how do we balance this new normal? Well, let me know if you have the answer! I have worked diligently to make sure my family and all my teammates are staying safe, working hard and also making sure our teammates families are staying safe. As a company we have instituted as many safety precautions as possible to allow for our teammates to come to work each and every day and still feel they are doing their part in keeping our communities safe.

As a family we dealt with working from home part time while my wife worked extremely hard to provide her

students with the best online teaching experience while someone managing to take care of our two little ones.

We all have our own stories but we as engineers are always extremely resourceful and make the best with what we are dealt. We will continue to work through this difficult time. We will continue to work smart and safe to protect our loved ones and the greater good.

ASCE looks forward to getting back to some sense of normalcy. We are working on trying to plan social distant friendly field trips and social events where we can get together but still keep each other safe. We will work on

continuing to provide the Palm Beach Members with a free monthly PDH during our webinars. There have been a few hiccups along the way, but we are learning and working through it. We as board members feel a responsibility to continue to provide our members with the as much content as we did prior to the pandemic and we will work diligently to get back to it.

As my very odd tenure as Branch President is coming to an end. I look forward to

handing off the torch to the amazing team that we have on the board and look forward to welcoming a new Secretary into the group. We have a very hard working and dedicated team and I will work with them on finding new ways to engage our members.

Shout out to all the Palm Beach County educators for their efforts in continuing to educate our youth. I have always had a ton of respect for our educators but during this time I believe their efforts have been extraordinary.

Be sure you subscribe to our email list and follow us on LinkedIn and Facebook!

Thomas Montano, P.E.

President, ASCE Palm Beach Branch
tmontano@teamgfa.com



2020 MULTI-REGION LEADERSHIP CONFERENCE

The 2020 Multi-Region Leadership Conference (MRLC) for all Eastern ASCE Regions, Sections, Branches, Institutes, Younger Member Groups and Student Chapters was held January 31st to February 1st in Philadelphia, Pennsylvania. The MRLC is three conferences in one, providing two days of education and training for volunteer leaders within ASCE at all career stages:

- ♦ the Workshop for Section, Branch, & Institute Leaders (WSBIL)
- ♦ the Eastern Region Younger Member Council (ERYMC), and
- ♦ the Workshop for Student Chapter Leaders (WSCL)

All three conferences included workshops, breakout sessions, and roundtable discussions that provided opportunities for networking and collaboration among leaders from groups around ASCE. The attendees also had the chance to learn more about and ask questions of 2021 president-elect nominees, Maria Lehman, P.E., F.ASCE, and Dennis Truax, Ph.D., P.E., D.WRE, F.ASCE.



Phoebe Cuevas Molina, Branch Secretary, and **Sara Fox**, Branch Younger Member, attended the conference for an opportunity to develop and enhance their leadership skills, receive greater exposure to ASCE programs and resources.



Some of the topics discussed were ASCE Foundation, K-12 outreach, website design, ASCE Report Card, membership outreach, and community outreach. Attendees also had the opportunity to learn more about ASCE's Future World Vision through the virtual-reality experience and presentation.



COMMUNITY EVENTS



Madeley Arriola Guerrero from Chen Moore and Associates visited the Hagen Ranch Road Library for **ENGINEERING DAY 2020.**

She spoke about different types of engineering and led future engineers in an engineering activity.



Tom Montano and his family, and Marly Trier represented the Branch at the CNU of the Palm Beaches **Park(ing) Day.** Even though it rained, they still had a lot of fun.



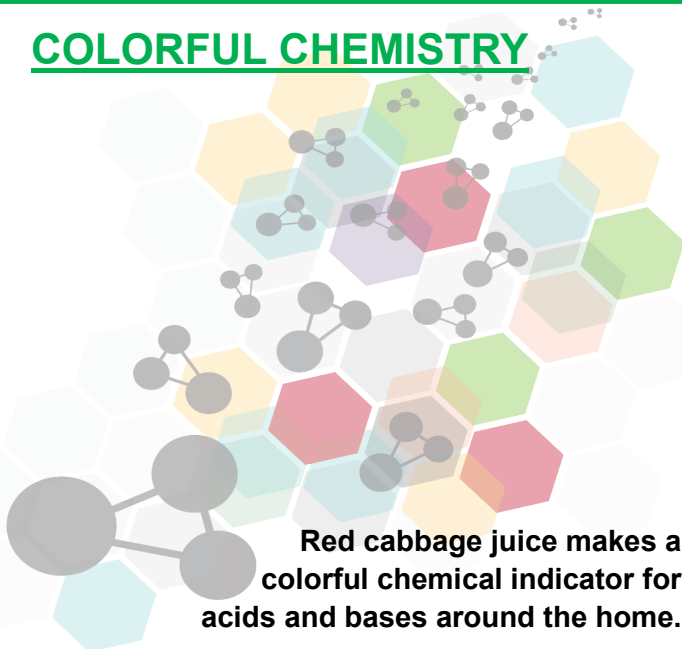
Everyday Engineering: STEM@Home

Are you a teacher or engineer looking to inspire the next generation of civil engineers?
Are you a student who wants to find out why civil engineering is loads of fun?

Perhaps you are looking for lessons, videos, and activities to do at home?
ASCE can help!

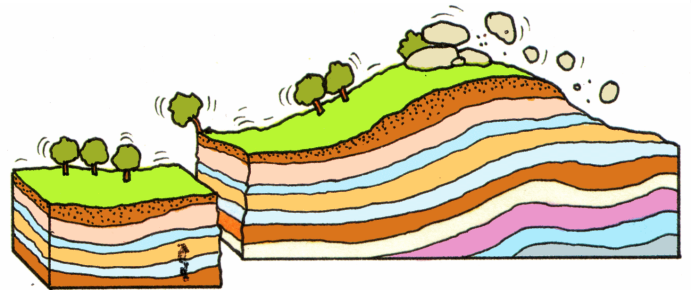
Click [here to visit the ASCE Pre-College Outreach page](#)
and find the activities described below and more.

COLORFUL CHEMISTRY



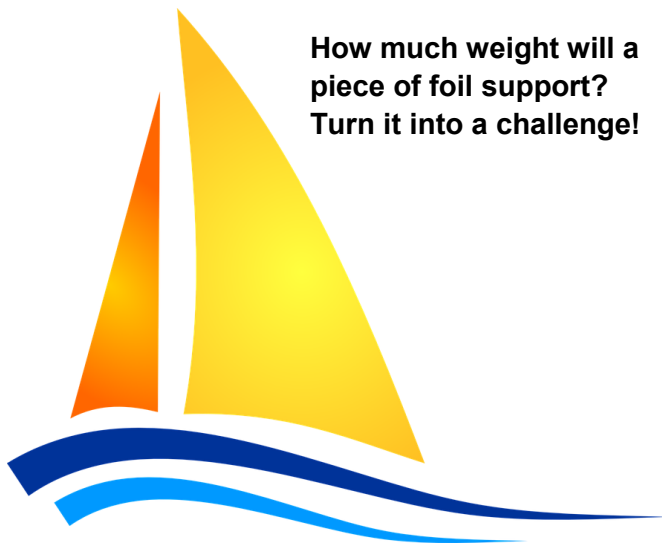
Red cabbage juice makes a colorful chemical indicator for acids and bases around the home.

BUILD AN EARTHQUAKE RESISTANT STRUCTURE



Build structures out of toothpicks and marshmallows then test them on a home-made shake table.

FOIL BOATS



How much weight will a piece of foil support?
Turn it into a challenge!

WINDY CITY TOWER



Can you design and build a paper tower that can hold up in the wind?



FLORIDA SECTION

Palm Beach Branch

ENGINEERS IN GOVERNMENT NIGHT

2020 Award Winners

Government Engineer of the Year



Hassan Hadjimiry,
P.E.

Engineer of the Year



Jose N. Gomez S.,
P.E.

Young Engineer of the Year



Marly Trier, E.I.

Employer of the Year



GFA International,
Inc.

Project of the Year



Water Treatment Plant
No. 8 Anion Exchange

Government Engineer of the Year



Hassan Hadjimiry, P.E.

Utility Director, City of Delray Beach

Mr. Hadjimiry has over 38 years of management and engineering experience in the water utilities industry. He began his career as staff engineer at the Palm Beach County Water Utilities Department in early 1982 and progressed to the Deputy Director for the third largest water utility in the State of Florida serving over 585,000 citizens in the unincorporated areas of Palm Beach County.

Mr. Hadjimiry developed and implemented a very aggressive reclaimed water program at the Palm Beach County Water Utilities, which currently provides over 30 MGD of reuse water to local golf courses, residential areas, constructed wetlands and the Florida Power and Light. The reclaimed water program he created has been a model from which other utilities have now been replicated.

Mr. Hadjimiry direct involvement and responsibility for implementing over \$300 million of Capital Improvement Projects has included the 35 MGD Southern Region Water Reclamation Facility, Wakodahatchee and Green Cay Wetlands, three large Regional Operation Centers, a Central Laboratory and many other large-scale utilities projects.

Mr. Hadjimiry holds a Master of Science in Water Resources Engineering from Florida Atlantic University, is a recipient of the 2009 David York's Water Reuse Person of the Year in the State of Florida and a five-time winner of Palm Beach County Administrator's annual 'Golden Palm Awards', which is the highest level of recognition for employee accomplishment.

After 38 years at Water Utilities, Mr. Hadjimiry has recently accepted new position with the City of Delray Beach as their Utility Director.

Engineer of the Year



Jose N. Gomez S., P.E.

Chief Engineer, Intertek/PSI

Mr. Gomez is a Geotechnical-Chief Engineer at Intertek-PSI as an expert consultant within USA and overseas; he is in the West Palm Beach branch. He has over 39 years of varied and extensive experience in a wide range of geotechnical and civil engineering consulting services for studies, designs, project layouts and construction supervisions in several hundred projects since 1980, including hydroelectric, irrigation, transportation and port projects in Colombia. This experience has been extended to USA since 2008. He's very familiar with a variety of geology and residual soils in Central and South America. These projects

usually faced excavations and slope stability analysis, dam design, stabilization measurements, shallow and deep foundation designs, ground improvement systems, dewatering systems, and bulkhead designs, including forensic and value engineering.

Mr. Gomez has been adjunct professor in several undergraduate and graduate geotechnical courses and speaker during the last 30 years of his career; topics have been geotechnical and project case histories. Adjunct Professor at Javeriana University, Colombia, Old Dominion University, Norfolk, VA and currently at University of Miami, Coral Gables, FL.

He holds FL, VA, NC, PR and GA PE licenses, and the National Engineering Council License, Colombia, SA. Mr. Gomez holds a M.Sc. in CE (Geotechnical), Georgia Institute of Technology, 1983 and a B.Sc. in CE, Javeriana University, 1979. Over the years, he has published more than 40 technical papers in seminars, technical sessions and proceedings, and has been recipient to multiple awards and distinctions. He is the author of a book on sailing (Mi Maestro ... El Mar).

He has been married with Elvira for almost 40 years this June and has a son Jose Miguel who married with Annita Franco, and a lovely granddaughter Mari Anto who is two years old. Jose loves spending family time and cooking, sailing, fishing and woodworking.

Young Engineer of the Year



Marly Trier, E.I.

Environmental Engineer,
Jacobs Engineering

Marly Trier received her Bachelors of Science and Masters of Science in Civil Engineering from the Milwaukee School of Engineering, in Milwaukee, Wisconsin. While a student she was a two-sport athlete in tennis and basketball and very involved in the service organization Engineers Without Borders. It was during a surveying and site assessment trip to a village in Guatemala as a freshman when she decided she wanted to be a civil engineer. Through her work on a couple of bridge projects, Marly became the student expert in stormwater modeling and design.

Immediately after graduation she moved to Florida and began working for Jacobs Engineering. Today she is still an active member of Engineers Without Borders and is the primary stormwater modeler for her office. She is currently the Treasurer of the ASCE Palm Beach Branch.

During her four years at Jacobs, Marly has had a variety of roles and responsibilities for both municipal and private clients. As an engineer during construction for several City of West Palm Beach projects, she gained experience on the cured-in-place lining of the City's 48-inch diameter PCCP force main project, the conversion from chlorine gas to sodium hypochlorite disinfection at the City's remote water re-pump stations, the City's water master plan update, and other projects located at the water treatment plant. As a design engineer, Marly has worked on many stormwater and civil sitework projects for Florida Power and Light, private developers, and municipal clients. Marly planned to take her PE Exam in April, however the COVID-19 pandemic has delayed that dream until October.

Outside of the office Marly has been a member of the ASCE Palm Beach Branch, serving as Young Member committee chair, Secretary, and Treasurer, and is the ASCE Florida Section liaison to the Engineers Without Borders Florida Professionals chapter. She loves working with students at STEM events and getting grown engineers together to drink beer. At home she is an avid paddle boarder, basketball player, and extreme DIYer.

Employer of the Year



GFA International, Inc.

A Universal Engineering Company

Founded in Palm Beach County in 1988, GFA International, Inc. (teamgfa.com) is a full-service Engineering Firm providing Geotechnical Engineering, Environmental Consulting, Construction Materials Testing and Inspections, Building Code Compliance, and Health & Safety Consulting Solutions. The entrepreneurial spirit and dedicated leadership of GFA's founders, Frank Friene and Fred Kaub have helped the company to grow and expand its

service offerings to numerous clients in the public and private sector. Headquartered in Delray Beach, GFA operates 6 offices strategically located to service clients throughout the State of Florida and beyond. Their staff of nearly 300 professionals is comprised of civil, structural, geotechnical and environmental engineers, geologists, and industrial hygienists, construction inspectors and technicians; multi-discipline building code experts and support staff with expertise on projects of all types and magnitude. The experience of their staff presents a firm that is highly qualified to accomplish projects varying in size, scope or complexity.

With an emphasis that has always been to aggressively pursue the interests of their clients, GFA has forged a reputation within the engineering and construction community for their technical knowledge, rigorous standards and added value through innovative abilities. Their success can be exhibited by the tenure with clients, many of whom they have served for over 25 years.

For the past 32 years, GFA has delivered quality professional services in a timely and cost effective manner by pooling its talented staff into project teams that think, act, and perform as one integral unit. Through innovation and adopting technological advances, and carefully listening and collaborating with its clients, the firm is able to generate unique solutions and give their clients options to difficult challenges.

As the world evolves, and its challenges grow more complex, GFA continues to bring a genuine sense of innovation and 'can do' attitude to modern engineering challenges providing the practical solutions and exceptional customer service their clients have trusted since its founding. Whether they are advising a client

Continued...

Employer of the Year



GFA International, Inc.

A Universal Engineering Company

Continued...

of potential environmental issues that may affect a future project, inspecting the structural components of a new high-rise being constructed, or performing verification borings and quality control testing on the cutoff wall construction of the Herbert Hoover Dike Rehabilitation, GFA is proud of the work they do everyday.

GFA has been dedicated to a team-focused philosophy ingrained into the companies DNA and has guided the way they have conducted done business for the past three decades:

TEAMWORK **E**THICS **A**CCURACY **M**ETICULOUS
GROWTH **F**OCUS **A**SSOCIATES

Making a difference in the community is an important part of GFA's culture. As a local business, GFA realizes the importance of giving back and maintaining a strong commitment to making a positive impact on the communities in which we live and operate. Whether through financial contribution, volunteering their time, or sharing professional skills and knowledge, the team members at GFA maintain a strong commitment to making a positive impact on people, society, and the planet.

Project of the Year



Water Treatment Plant No. 8 Anion Exchange Project

The Water Treatment Plant No. 8 (WTP 8) Anion Exchange (AIX) project was designed by Globaltech, Inc. and constructed by the RJ Sullivan Corp. for Palm Beach County Water Utilities Department. The project included a 20 million gallon per day (MGD) expansion of the existing 10 MGD AIX system for the full 30 MGD treatment plant capacity and was completed in 2018. The total design and construction cost of the project was \$15,046,246 or \$0.75 per gallon of water treatment capacity. The anion exchange system removes naturally occurring humic acids

(organics) which are the precursors for disinfection byproducts and contribute to nitrification of the water distribution system. WTP 8 is located at Jog Road and the Florida's Turnpike and has an extensive service area extending approximately 25 miles to Pratt & Whitney. The anion exchange system provided significant water quality improvements which exceeded the project water quality goals. The WTP 8 AIX system is now the largest organic AIX removal system in the United States of America.

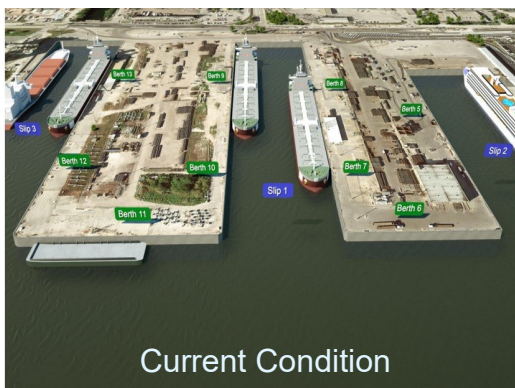


SLIP 1 REDEVELOPMENT

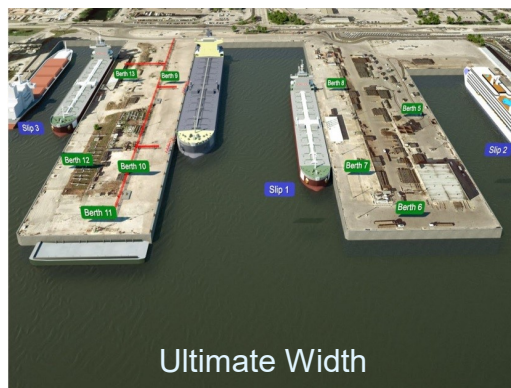
Port Everglades Slip 1 was created in the late 1920s and is in need of several upgrades. The main goal of the redevelopment is to widen Slip 1 from 300 feet to 450 feet. The project will also include replacement of the petroleum distribution manifold. The proposed changes will:

- enhance safety
- allow replacement of a sheet pile that has reached its end of life
- allow entry of larger vessels
- increase efficiency.

There are multiple stakeholders involved in the Slip 1 Redevelopment project. **Broward County and Port Everglades** are responsible for the civil work, marine infrastructure, excavation and dredging, lighting, power, and the removal of abandoned pipelines in the zone of expansion. The **Petroleum Industry** is responsible for the piping, connections, offloading equipment, relocation of berth foam fire protection, foam / operations / security. The **FDEP** will fund and remediate/remove eligible contaminated materials. The project started with the design phase in October 2018 and construction is scheduled to be completed by February 2024.



Current Condition



Ultimate Width

Neil Kutchera, Assistant Port Director, Petroleum



Neil Kutchera serves as the Assistant Port Director for Port Everglades, a self-supporting enterprise fund of Broward County, Florida, that generated more than \$160 million in fiscal year 2017. Port Everglades is ranked among the nation's leading container ports, a world leader in the cruise industry and is South Florida's main seaport for receiving petroleum products including gasoline, jet fuel and alternative fuels.

In his position, Mr. Kutchera is responsible for the commercial and operational activities of the petroleum business unit of the Port Everglades Department of Broward County. Refined petroleum received at private terminals in Port Everglades has an annual value of approximately \$5.5 billion and is distributed to twelve counties in southern Florida. Petroleum related activities generate 20% of the Port's annual revenue.

Mr. Kutchera represents the Port on the US Coast Guard Southeast Florida Area Committee and the State of Florida's Technical Advisory Group for above ground pipeline regulations. Prior to joining Port Everglades, he was the founder and principal of a technology consulting company. A lifetime resident of South Florida, Mr. Kutchera received his Professional Port Manager certification from the American Association of Port Authorities and a bachelor's degree in Management from the Georgia Institute of Technology.



[Download PDF Certificates](#)

HERBERT HOOVER DIKE REHABILITATION PROJECT

Herbert Hoover Dike is a 143-mile earthen dam with hurricane gates and other water control structures that surrounds Lake Okeechobee, the heart of the Kissimmee-Okeechobee-Everglades system. The rehabilitation project reduces impacts from flooding as a result of high lake levels for a large area of south Florida. The Herbert Hoover Dike provides municipal and agricultural water supply, allows for commercial navigation, provides recreational opportunities, and is critical for the continuation of ecosystem restoration in the Everglades. Since 2007, the US Army Corps of Engineers has been conducting a rehabilitation project that aims to safeguard human life while reducing the intolerable risk of social, economic, and environmental impacts to areas around Lake Okeechobee and impacts to the Everglades ecosystem. The primary causes for concern are internal erosion (backward erosion piping) failure modes through the embankment and foundation

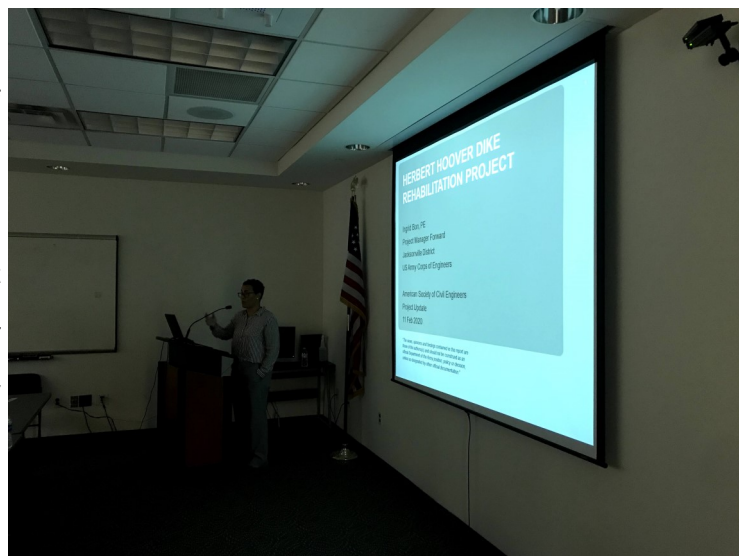


of the dam as well as along structures that penetrate the dike. Overtopping from storm surge has also been identified as a credible failure mode at isolated low spots. Replacement of water control structures as well as the installation of a cut-off wall through a significant portion of the dike aim to reduce these risks. Construction of these features is scheduled to be completed in 2022.

About the Presenter:

Ingrid Bon

Ingrid Bon is the Project Manager (Forward) for the Herbert Hoover Dike Project. She provides on-site agency and local government coordination. She is a graduate of the Johns Hopkins University, where she obtained a Bachelor of Science degree in Civil Engineering and a Master of Science degree in Environmental Engineering. Her professional career started in 1993 as a research associate at Aberdeen Proving Ground, Maryland where she supported the Installation Restoration Program. In 1994 Ms. Bon began service with the US Army Corps of Engineers, Baltimore District, in the Construction Division. She served as the project engineer for the installation of a permeable cap over a chemical munitions landfill for which she received the Aberdeen Proving Ground Commander's Award for Civilian Service. Ms. Bon transferred within the Baltimore District to the Engineering Division in 1998, as the Chief of the Remedial Investigation and Design Section. Two years later, she left federal service to relocate to South Florida, where she worked in the private sector as a project manager for environmental assessments and environmental compliance projects. In 2002, Ms. Bon joined Everglades National Park as a project manager. She was involved in the coordination of a number of CERP projects and the Modified Water Deliveries Project. From 2007 to 2008, she worked in the Physical Resources Branch performing water resources analyses. She's been working on the Herbert Hoover Dike Rehabilitation Project since 2008. Ms. Bon is a registered engineer in Maryland and Florida. In her spare time, Ms. Bon trains for marathon swims.



Mitigating the Risk from Design to Installation of Underground Infrastructure

A set of plans is the binding communication between the Engineer of Record and the Contractor. What are your plans directing the contracting to do? Have you used contradicting language between plans and specifications? Let's review some common mistakes, oversites, questionable and flat out wrong notes, details and drawings that make it into design plans and ultimately on to job sites. Learn how to use industry accepted and national standards correctly in deliverables and what additional notes should be included to ensure your design intent was accomplished in the field.



Sarah's presentation started off by sharing multiple engineering failures such as the Tacoma Narrows bridge, sinkholes in Jacksonville, parking lot failure in Lancaster, PA, and pipe flotation in Ft. Myers. She stressed the importance of designing for dead and live loads, and to consider the following factors during the design phase: water table, equipment, earth load, environment, among others. Some of the issues faced in the field are improper compaction, shoring, and dewatering. It is important that our plans match the specifications, eliminate any contradictions.

“We as engineers can control DESIGN, but can't control installation. We can bridge that gap through INSPECTION.”

About the Presenter:

Sarah Matin, P.E. a graduate of the University of Central Florida with a BS in Civil Engineering. She is a licensed Professional Engineer in Florida with over 14 years of experience in roadway design for design bid build and design build, utility management, site development, culvert design and developing material specifications. She also serves as a Region 5 Governor for the American Society of Civil Engineers. She enjoys playing golf with her husband and teaching the game to her 3 year old son.



Utilis: Water System Surveys and Leak Detection in Urban Potable Water Networks

Utilis developed a unique technology to identify and locate sub-surface water of different types and origins. This innovative discovery has the potential to improve the field of infrastructure assessment in multiple vertical markets.

Using microwave imaging from a satellite or aircraft-mounted synthetic aperture radar (SAR), Utilis identifies critical sub-surface water near infrastructure such as water and sewer pipes, roadways, railways and agricultural fields. This technology is patented and owned by Utilis.



Utilis launched its first product in 2015 from the Israel technology center and opened a North America headquarters in San Diego in 2016. Since that time the company has acquired over 200 customers with a product development division consistently working to bring additional technological capabilities to the market. These new products are at different stages of market introduction. They fall into the following key markets:

- ◆ Water and Wastewater
- ◆ Ground Engineering
- ◆ Agriculture

To learn more about Utilis satellite-based leak detection and assessment, please view the links below:

Utilis leak detection brochure:

[Utilis Brochure](#)

Case Study (New Braunfels, TX):

[Satellite data complement traditional leak detection and repair programs](#)

Study on benchmarking with Utilis:

[Satellite Leak Detection: A Data-Driven Business Case Analysis](#)

About the Presenter:

James Perry, V.P. Business Development



James has spent over 30+ years driving disruptive innovation into new markets. In all cases he has studied and reviewed each element of an ecosystem to best understand how to employ new technologies into traditional workflow and improved efficiencies, while providing value to customers. In both start-ups and Fortune 50 companies, James' key mission is market adoption and to achieve a deeper foothold into new markets. In the case of Utilis, he has mapped the water utility market and associated ecosystem to ensure the disruptive innovation for spatial remote sensing is imbedded in workflow for system maintenance and leak detection services. Water systems are seeing significant benefits by employing Utilis' innovative and cost-effective approach to surveying and fixing leaks within their systems.

Long-Term Concrete Waterproofing for Water Tanks, Water Containment Vessels and Wastewater Treatment Plants

Alchemco is a global manufacturer of waterproofing products for concrete and masonry structures. These products have been used on infrastructure projects such as: parking ramps, highway bridges, stadiums, ports & marinas, water treatment plants, containment vessels & water parks, hydroelectric plants, dams & tunnels. The webinar discussed types of waterproofing products, causes of concrete deterioration, when to use these products, application process, benefits and example projects.

Mr. Kesser presented TechCrete, a waterproofing product that penetrates concrete and fills cracks and capillaries. This product was designed for commercial and industrial markets to be installed by professionally trained and certified applicators. The product can be applied on 3,000 sq-ft/hr and dries three days after being applied. TechCrete is manufactured in the USA.



About the Presenter: **Peter Kesser, MBA**

Mr. Kesser is the Global Sales Director for Alchemco, an industry leading manufacturer of concrete & masonry waterproofing systems. In this role, he serves as a member of Alchemco's senior management team, and is primarily responsible for strategic planning and global business development.

Prior to joining Alchemco, Mr. Kesser served 20+ years in a number of senior management positions within the construction materials industry including: President of Dow Chemical's Roofing Division, President of J.P. Stevens Roofing Systems, and as a Strategic Marketing Consultant for W.R. Grace & Company, Inc.

He holds a M.B.A. Degree in Marketing from Butler University in Indianapolis. He has also served on the Board of Directors for several Construction Industry Associations (*PIMA*, *CEIR*, *WSRCA*)



City of Delray Beach

Principal Engineer - Utilities Department

Essential Job Duties Specific to Utilities Department:

- Conducts hydraulic modeling and analysis, unidirectional flushing plans, treatment plant troubleshooting, mechanical troubleshooting
- Develops specifications for equipment and technical solutions
- Develops process diagrams, evaluates best practices, analyzes data, conducts process improvement teams, makes recommendations to promote efficiency and effectiveness and safety
- Prepares professional engineering evaluations, assessments and models for planning, expansion and decommissioning systems and facilities
- Prepares and maintains capacity program for permitting and allocations of development projects and available water, wastewater, and reclaimed water capacities. Coordinates with department on capacity commitments, used capacity, and available capacities. Develops and maintains the Department's capacity status report
- Reviews site plans and other projects for capacity, constructability, and best practices and make recommendations, including any updates to the development review manual and standard details
- Correlates and integrates capacity program with geographic information system, and hydraulic analysis programs
- Develops an asset management plan, enhancing the asset management system, and analyze data for life cycle, best practice, repair and replacement, and recommended capital projects.
- Analyzes and evaluates water production facilities, wells, pumps, chlorination systems, booster pump stations, wastewater treatment facilities, aeration systems, pump stations, distribution systems, collection systems, and transmission systems.
- Procure and manage repair and replacement items and/or consulting services, prepare construction contract documents for bidding purposes, review and approve shop drawings.

Minimum Qualifications

Education and Licensure

- Graduation from an accredited four (4) year college or university with a Bachelor's Degree in Electrical, Mechanical, or Civil Engineering.
- Must possess and maintain a Florida Professional Engineer (PE) registration.

EXPERIENCE:

- Ten (10) years of engineering experience.
- Minimum of three (3) years in a senior engineer role in planning, design, permitting, system modeling, project management and/or development review experience involving water and wastewater utilities.
- Certification in Lean Six Sigma preferred.
- Proficient in hydraulic modeling, GIS, Word, Excel, PowerPoint, relational databases and manipulation, AutoCad, Visio, asset management.
- Licensed water treatment plant operator a plus.

See full posting [HERE](#)

2019-2020 SPONSORS

JACOBS

Deerfield Beach
Jacksonville
Miami
Orlando
Palm Beach Gardens
Tallahassee
Tampa



SFWMD L-8 RESERVOIR PROJECT

www.jacobs.com

Airports/Port Facilities ■ Bridges/Tunnels ■ Construction/Program Management
Design-Build ■ Highway Design ■ ITS/Traffic Engineering ■ Transit ■ Water/Wastewater Design

GFA INTERNATIONAL, INC



- ★ Geotechnical
- ★ Environmental
- ★ Construction Materials Testing
- ★ Threshold & Special Inspections
- ★ Plan Review & Code Compliance

800.226.7522

TEAMGFA.com

Offices Throughout Florida

MOPS

MANUFACTURED ODORLESS PUMP STATIONS

No-Cost Design Services



ATLANTIC
ENVIRONMENTAL
SYSTEMS, INC.

2244 4th Avenue North
Lake Worth, FL 33461
(800) 806-1563

www.eMOPS.com



- ♦ Vibracoring
- ♦ Geotechnical Drilling
- ♦ Beach Renourishment QC
- ♦ Pre-Dredge Sampling
- ♦ Vessel Support
- ♦ Marine Services
- ♦ Laboratory Services
- ♦ Vibration Monitoring

1215 Wallace Drive, Delray Beach, FL 33444
561-372-0500

AmericanVibracore.com

Kimley»Horn

88 Offices Nationwide • 13 Offices in Florida

Aviation • Environmental • Intelligent Transportation Systems

Landscape Architecture • Land Planning • Roadway Design

Sustainable Design • Transit • Transportation

Urban Redevelopment • Water Resources

www.kimley-horn.com
561-845-0665

Resourceful. Responsive. Reliable.

Terracon

1225 Omar Road | (561) 689 4299

Terracon.com/west-palm-beach

Environmental ■ Facilities ■ Geotechnical ■ Materials

Research ▶ Analyze ▶ Design ▶ Implement ▶ Support ▶ with Experts



Geotechnical Engineering
Drilling Services
CEI & CMT
IT & GIS

CMEC certified,
USACE validated and
FDOT approved Testing Labs

www.RADISE.net
Serving Florida since 1997
Offices Throughout Florida



**IS YOUR NETWORK
PROTECTED?**

NetOne Technologies

561.432.7823

NetOneTech.com/Security

2019-2020 Branch Officers

PRESIDENT

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

VICE PRESIDENT

Teresa Chapman
P: 954-260-6576
teresa.chapman@fitechinc.com

TREASURER

Marly Trier, MS, E.I.
P: 561-799-3855
marlena.trier@jacobs.com

SECRETARY

Phoebe Cuevas Molina, P.E.
P: 561-753-9723
cuevas-molinap@erdmananthony.com

PAST PRESIDENT

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



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

Please verify/update your
mailing/email
information with

**ASCE National
Headquarters**

at

1-800-548-2723 (ASCE)

or

[http://www.asce.org/
membership](http://www.asce.org/membership)

2019-2020 Committee Chairs

YOUNG MEMBERS

Yehya Siddiqui, P.E.
P: 561-445-9254
YSiddiqui@TaylorEngineering.com

Sara Fox, E.I.
sfow@baxterwoodman.com

NEWSLETTER EDITOR

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

SOCIAL MEDIA & WEBMASTER CHAIR

Sara Fox, E.I.
sfow@baxterwoodman.com

MEMBERSHIP CHAMPION

Khaled Abdelli, P.E.
P: 561-682-6430
Khaled.Abdelli@radise.net

EWRI

Brent Whitfield, P.E.
P: 561-746-6900x1160
bwhitfield@chenmoore.com

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

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

GEOTECHNICAL INSTITUTE

Shawn Gao, P.E.
hgao@sfwmd.gov
Andrew Nixon, P.E.
andrew.nixon@radise.net
Jose Gomez, P.E.
jgomez@ecslimited.cpm

LEGISLATIVE BREAKFAST

Brent Whitfield, P.E.
P: 561-746-6900x1160
bwhitfield@chenmoore.com

Justin Tagle, E.I.
jtagle@chenmoore.com

COMMUNITY OUTREACH

Paula Fonseca, P.E.
P: 561-281-4480
paula.fonseca@fitechinc.com

Madeley Arriola, E.I.
mariola@chenmoore.com

K-12 OUTREACH

Madeley Arriola, E.I.
mariola@chenmoore.com
Emily McBryan, P.E.
P: 561-713-1320
emcbryan@collectivewater.com

SCHOLARSHIP PROGRAM CHAIR

Sayed Haji, Ph.D., P.E.
P: 561-841-0103
shajimir@sfwmd.gov

FAU ASCE STUDENT CHAPTER PRESIDENT

Rex Robinson
rexrobinson2018@fau.edu

FAU STUDENT OUTREACH

Nitesh Goli, E.I.
Nitesh.Goli@Radise.net

FAU FACULTY ADVISOR

Dr. Frederick Bloetsher
fbloetsc@fau.edu
Dr. Yang Yong
yongy@fau.edu

2019-2020 Florida Section

PRESIDENT

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

PRESIDENT-ELECT

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

SECRETARY/TREASURER

Heath Jenkins, P.E.
heath.jenkins@mottmac.com

PAST PRESIDENT

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

DISTRICT I VICE PRESIDENT

Brent Whitfield, P.E.
bwhitfield@chenmoore.com

REGION 5

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

GOVERNORS

Sarah Matin, P.E.
sarahl.matin@rinkerpipe.com

Marta Alonso, P.E., ENV SP
malonso@hazendandsawyer.com

EXECUTIVE DIRECTOR

Judy Nichols
judy@fla-asce.org

Visit the
Florida Section at:
www.fla-asce.org

ASCE PALM BEACH ON:

facebook

Follow & Like!

<https://www.facebook.com/>