



Palm Beach Branch

2019 | Q3

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# Palm Beach Branch QUARTERLY





# PRESIDENT'S MESSAGE:

Greetings Palm Beach ASCE Members!

I hope everyone had an amazing fall season. It is now the holiday season again and it's amazing to believe we are heading into another year of the Palm Beach County Branch of ASCE. I am excited to serve as your President. I would like to thank Vijay Mishra, our Past President, for his leadership and vision over the past year. Our board plans to continue to build on what an amazing branch our Palm Beach ASCE Chapter has become.

We started this year with the Membership Appreciation party at Civil Society Brewery. It was a great opportunity to thank our members for their support in 2019. We followed up the Membership Appreciation party with some great presentations at our monthly luncheons. Presentations included Greg Strickland's presentation on PaveDrain, a

permeable concrete pavement application, our very own YMG Chair Member Yehya Siddiqui presented on Florida Inland Navigation Waterway (FIND) maintenance dredging of the Lake Worth Lagoon, and to close out the last presentation of the year, we had Mark Young present on the most important topics, articles, language and legal knowledge that engineers should possess to protect themselves. The EWRI Chairs also held a great meeting in October with Alla Ali, Ph. D., presenting on the concept of Genetic Algorithm by looking at the technique with a magnifying glass and following with examples to clearly show how we emulate the biological process to navigate through the search space towards an optimal solution. The Geo-Institute held a lunch presentation in November with Jose Gomez discussing the many factors that go into a successful geotechnical project.

I recently attended the ASCE Presidents and Governors Forum in Reston, VA where I learned a great amount about ASCE and leading the branch. I made key connections with other ASCE branch board members and learned about all the available resources we have as ASCE Members. It was a great opportunity to hear technical presentations and

network with the leaders from the other chapters. I look forward to bringing all the information I learned to our branch.

We were very excited to host ASCE National's President Guna to meet with local FAU students and enjoy a few local Palm Beach County construction projects including the Southern Boulevard Bridge. It was a great opportunity for Guna to see all the amazing things happening in Palm Beach County.



I would like to thank each member of this branch for their continuing support. A special thank you to all 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 toward 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.

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](mailto:tmontano@teamgfa.com)

# 2020 BOARD MEMBERS:



President

**Tom Montano, P.E.**

GFA International, Branch Manager  
[tmontano@teamgfa.com](mailto:tmontano@teamgfa.com)

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Florida Technical Consultants, Project Manager  
[Teresa.Chapman@FLTechinc.com](mailto:Teresa.Chapman@FLTechinc.com)

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Jacobs, Civil/Water Resources Engineer  
[Marlena.Trier@jacobs.com](mailto:Marlena.Trier@jacobs.com)

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Associate, Erdman Anthony  
[cuevas-molinap@erdmananthony.com](mailto:cuevas-molinap@erdmananthony.com)

Past  
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**Vijay Mishra, P.E.**

South Florida Water Management District  
[vimishra@sfwmd.gov](mailto:vimishra@sfwmd.gov)



### “FUTURE OF ENGINEERING” LUNCH AT FAU, TOUR AND DINNER

The Palm Beach and Broward Branches and FAU Student Chapter joined together at FAU for a special luncheon presented by the ASCE 2020 President, Kancheepuram N. Gunalan, Ph.D., P.E., D.GE, F.ASCE. Lunch was free to all who attended thanks to the luncheon sponsors Chen Moore and Associates, RADISE International, GFA International and Tierra South Florida.

After the luncheon, Kevin Micocci, P.E. guided President Guna and his wife, Past-President Vijay Mishra, Past-President Julie Parham, President Tom Montano, Treasurer Marly Trier, and Secretary Phoebe Cuevas Molina for a tour of the SR80/ Southern Blvd. Replacement Bridge project over the Intracoastal Waterway and Lake Worth Lagoon between West Palm Beach and Palm Beach. Once completed, the \$93 million replacement Bridge will carry one lane of traffic in each direction, have 6' sidewalk and 10' paved shoulders with 7' bike lanes. The new bridge over the Intracoastal Waterway will be a drawbridge with a vertical clearance of 21 feet and the navigable-channel width will be increased to 125 feet.

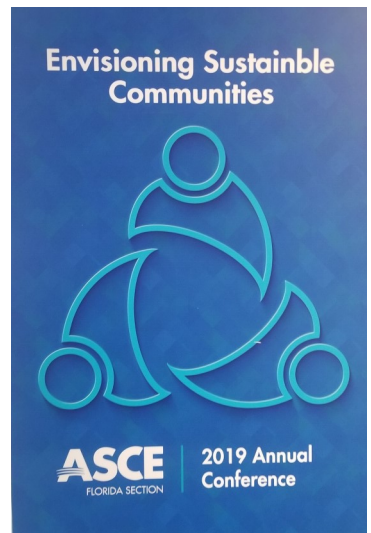
President Guna's visit ended with a networking dinner at Tanjore in Boca Raton.





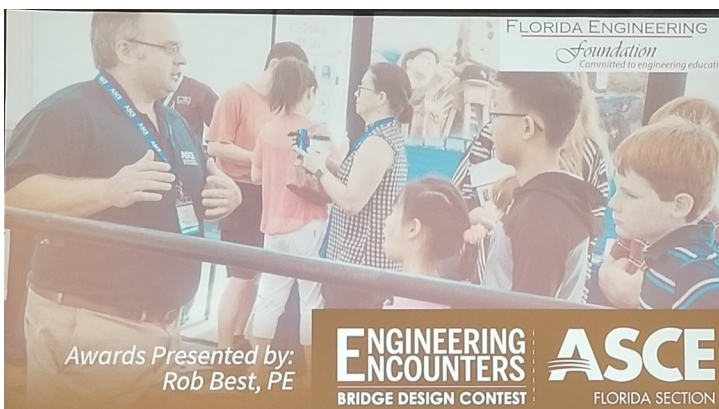
# 2019 FLORIDA SECTION ANNUAL CONFERENCE

The 2019 Florida Section Annual Conference, held July 18-19 at the Orlando World Marriott, was filled with awesome technical presentations, a tour of the new SunTrax facility, social hours, Young Member activities, a student bridge design competition, officer inductions and annual awards.



**Brent Whitfield, PE** was honored with the ASCE Region 5 Engineer of the Year Award. In addition to this award Brent was inducted as the District 1 Vice President for the ASCE Florida Section. This is a position that Past Palm Beach Branch President **Tzufit Boyle, P.E., PMP, F. ASCE** has proudly served in for the past year. In the coming year Tzufit will continue her work with the Section as the Chair of the 2020 Annual Conference to be held on Fort Lauderdale Beach. Branch member, **Mario Loaiza, P.E., F. ASCE**, was awarded with the Government Employee of the Year. Congrats Tzufit, Brent, and Mario!

The Palm Beach Branch is also proud of member **Shawn Waldeck, PE** who presented on behalf of South Florida Water Management District's C-43 West Basin Storage Reservoir project.





# 2019 NATIONAL CONVENTION

The 2019 Annual ASCE National Convention was held October 10-13 at the Hyatt Regency in downtown Miami, Florida. Several Palm Beach Branch members attended and had an outstanding time with the conference activities. Check out some of the highlights:



Unveiling of ASCE's Future World Vision—Infrastructure Reimagined. Through Virtual Reality goggles, we were able to imagine the world 50 years in the future after we have built and inhabited a "Floating City".

<https://www.futureworldvision.org/>



Networking and social time with fellow ASCE Florida Section members.



Tours of the Virginia Key Central District Wastewater Treatment Plant and many Sea-Level Rise Resiliency projects in Miami Beach.



There were many wonderful keynote speakers and technical presentations. Especially memorable was the speech by Guna's children at his induction luncheon and the keynote presentation by Maj. Lisa Jaster, a combat engineer with the U.S. Army Reserve and the third woman ever to graduate from Army Ranger School.



# ENGINEERING FAMILY FUN DAY

The first weekend in November several ASCE members joined SWE to volunteer at the Engineering Family Fun Day at Dreher Park. Multiple activities were available for the kids to learn about different engineering principles. Some of the activities included: balloon race cars, marker robots, chocolate pavement, making slime, making ice cream and a meet the engineer table.





## JOINT PROFESSIONAL SOCIETIES 2020 ANNUAL LEGISLATIVE BREAKFAST

The 2020 Annual Legislative Breakfast was held on Friday, November 22, 2019 and was hosted by multiple organizations including ASCE, FES, AIA, among others. The topic was 'Planning for a Resilient Florida'. The host organizations presented their 2020 Legislative Issues. We had Representative Toby Overdorf from District #83, covering parts of Martin and St. Lucie Counties, and Representative Rick Roth from District #85, which covers part of Palm Beach County, speak and share their positions on the issues presented. Representatives for Senator Lori Berman and Senator Bobby Powell were also present.

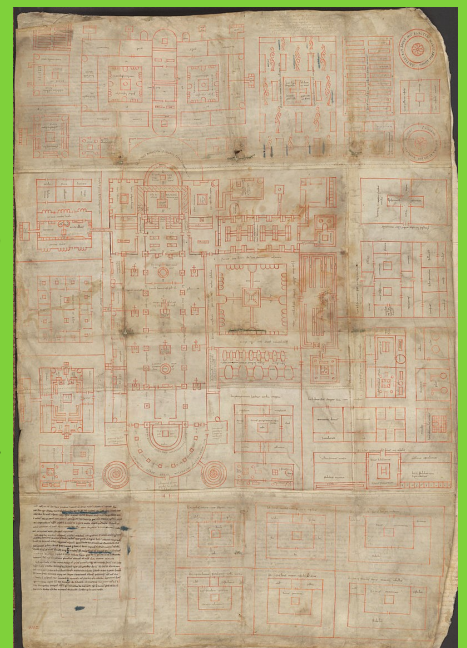


### Plan of Saint Gall

The **Plan of Saint Gall** is a medieval architectural drawing of a monastic compound dating from 820–830 AD. It depicts an entire Benedictine monastic compound, including churches, houses, stables, kitchens, workshops, brewery, infirmary, and a special house for bloodletting. The Plan was never actually built, and was so named because it is dedicated to Gozbert abbot of Saint Gall. The planned church was intended to keep the relics of Saint Gall. The plan was kept at the famous medieval monastery library of the Abbey of St. Gall – Stiftsbibliothek Sankt Gallen – where it remains to this day.

It is the only surviving major architectural drawing from the roughly 700-year period between the fall of the Western Roman Empire and the 13th century. It is considered a national treasure of Switzerland and remains a significant object of interest among modern scholars, architects, artists and draftsmen for its uniqueness, its beauty, and the insights it provides into medieval culture.

(Info from [https://en.wikipedia.org/wiki/Plan\\_of\\_Saint\\_Gall](https://en.wikipedia.org/wiki/Plan_of_Saint_Gall))





# SOLID WASTE AUTHORITY TOUR

The Solid Waste Authority (SWA) took our ASCE Palm Beach Members on a technical tour of the Renewable Energy Facility No.2 (REF 2), led by Ray Schauer and his team. The tour included a visit to the Environmental Education Facility and an in depth tour of REF 2.



## The REF 2:

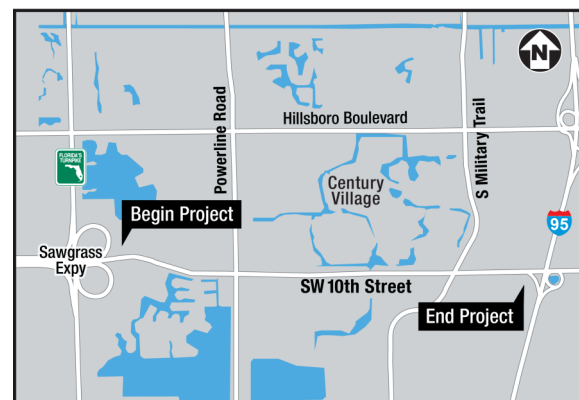
- ◆ Is the 1st project of its kind in more than 15 years in the U.S.
- ◆ Will reduce the amount of waste going to the landfill by 85%
- ◆ Has the capacity to burn up to 3,000 tons of garbage per day
- ◆ Has the capacity to burn up to 1 million tons of garbage per year
- ◆ Will generate enough power for more than 40,000 homes

If you missed it and would like to schedule a tour go to:

[www.swa.org](http://www.swa.org)

# SW 10TH STREET CONNECTOR:

SW 10th Street is an east-west principal arterial that connects three limited access facilities: Florida's Turnpike, Sawgrass Expressway, and I-95. SW 10th Street from Florida's Turnpike to I-95 is a missing link in the existing and planned regional express lanes system network. In addition, SW 10th Street is designated as an evacuation route. Traffic volumes along SW 10th Street from Florida's Turnpike/Sawgrass Expressway to SR 9/I-95 have consistently increased over the past 15 years and are projected to continue to grow. During peak times, existing traffic levels exceed the capacity of the roadway, causing delays and safety and operational issues along the corridor. This project is one of regional significance and will be closely coordinated with adjacent studies along Florida's Turnpike/Sawgrass Expressway and I-95 to ensure all elements are complimentary and meet the projects' purpose and need.



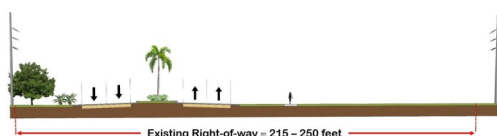
## Potential Typical Sections



### North Alignment with Ramps



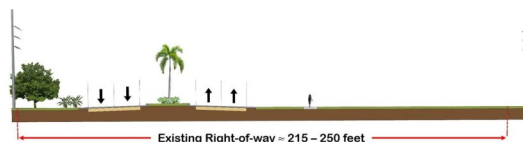
Noise walls are currently being evaluated and are shown for illustration purposes only.



### Center Alignment with Ramps



Noise walls are currently being evaluated and are shown for illustration purposes only.



### About the Presenters:

#### Robert E. Bostian, Jr., PE

Robert has worked for the Florida Department of Transportation (FDOT) - District 4 for over 25 years. He began his FDOT career as a Professional Engineer Trainee and has worked in project development, including Roadway Design, Pavement Design, Specifications, Quality Control, and Consultant Project Management. Robert earned a Bachelor of Science in Civil Engineering from the Citadel and an Master of Science in Civil Engineering from Florida International University. Robert is currently a Project Manager in the Design Office. He has managed a number of major design-build projects including the I-75 and I-95 Express Lane projects, and is presently managing the SW 10th Street Connector projects.

#### Phil Schwab, PE

Phil is a Vice President in RS&H's Transportation Practice where he has over 29 years of experience in managing major Transportation projects both as an owner when working with FDOT for over 10 years and as a consultant. Phil's experience includes all phases of project development and implementation, specializing in strategic planning and risk management of large transportation projects and programs in multiple states.

[Download PDH Certificates](#)



# PBC WATER TREATMENT PLANT

## NO. 8: ANION EXCHANGE PROJECT

This presentation provides an overview of the Palm Beach County Water Utilities Department Water Treatment Plant No. 8 (WTP 8) Anion Exchange Project. The project included a 20 million gallon per day (MGD) expansion of the existing 10 MGD anion exchange system, which made WTP 8 the largest anion exchange system in the United States and provided significant water quality improvements, which exceeded the project goals. This presentation will discuss the WTP 8 treatment process, selection of the anion exchange system, an innovative bid strategy, construction of the project, and outcomes.

### About the Presenters:

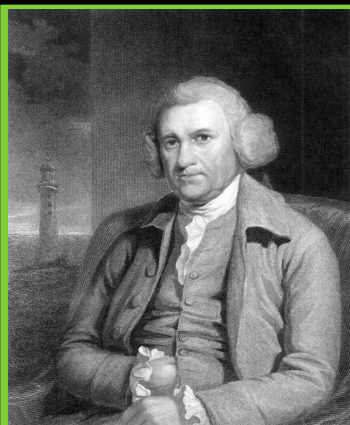
#### **Krystin Berntsen, PE**

Krystin is the Director of Engineering Division at Palm Beach County Water Utilities Department, where she has worked for nine years. Krystin is responsible for the implementation of a five year \$400-million-dollar Capital Improvement Program, as well as the Department's long range planning of capital improvements, design, facility planning, and consultant selection. She has a Bachelor of Science in Civil Engineering from the University of Miami and a Master of Science from Florida Atlantic University. She is a professional engineer registered in the state of Florida and is a project management professional.



#### **Pollop Phonpornwithoon, PE**

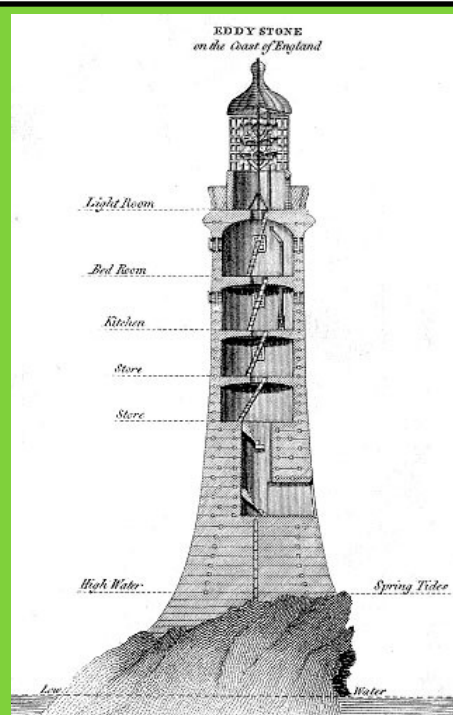
Pollop is a Project Manager and a water & wastewater treatment plant design section manager at Palm Beach County Water Utilities Department, where he has worked for six years. Pollop is responsible for managing water & wastewater master contracts, design-build contracts and capital improvement project team with annual encumbrance of \$40 million. He received both a Bachelor and Master of Science degree in Civil Engineering from Florida Atlantic University. He is a professional engineer registered in the state of Florida and is a project management professional.



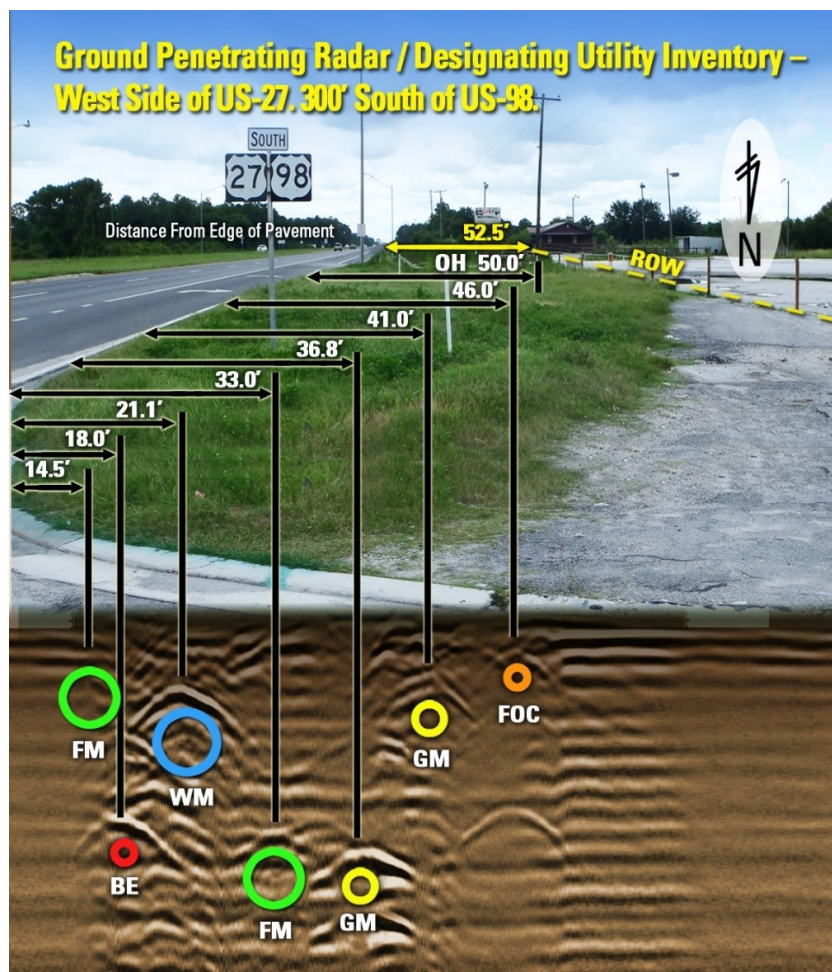
**John Smeaton** (8 June 1724 – 28 October 1792) was an English civil engineer responsible for the design of bridges, canals, harbors, and lighthouses. Smeaton was the first self-proclaimed "civil engineer", and is often regarded as the "father of civil engineering". Smeaton is important in the history, rediscovery of, and development of modern cement, identifying the compositional requirements needed to obtain "hydraulicity" in lime; work which led ultimately to the invention of Portland cement. Portland cement led to the re-emergence of concrete as a modern building material, largely due to Smeaton's influence.

Recommended by the Royal Society, Smeaton designed the third Eddystone Lighthouse (1755–59). He pioneered the use of 'hydraulic lime' (a form of mortar that will set under water) and developed a technique involving dovetailed blocks of granite in the building of the lighthouse. His lighthouse remained in use until 1877 when the rock underlying the structure's foundations had begun to erode; it was dismantled and partially rebuilt at Plymouth Hoe where it is known as Smeaton's Tower.

(Info from [https://en.wikipedia.org/wiki/John\\_Smeaton](https://en.wikipedia.org/wiki/John_Smeaton))



# MCGPR: SUBSURFACE UTILITY ENGINEERING and MULTI-CHANNEL GROUND PENETRATING RADAR



This presentation covered the following topics:

- ◆ What is Subsurface Utility Engineering?
- ◆ The Impacts of Unreliable Utility Information
- ◆ What is Subsurface Utility Engineering?
- ◆ The history of Subsurface Utility Engineering within the U.S.
- ◆ The ASCE 38-02 quality levels, the National Standard
- ◆ Subsurface Utility Engineering vs. "One Call"
- ◆ What is Multi-Channel Ground Penetrating Radar (MCGPR)?
- ◆ Project Examples and Lessons learned

## About the Presenter:

### Jeffrey C. Cooner, PLS

Jeff is a native Floridian and has practiced surveying and mapping in the State of Florida his entire life. He received a Bachelor of Land Surveying from the University of Florida in 1981 and became a licensed professional surveyor in 1984. In 1997 he formed Cooner and Associates which was purchased by Cardno in 2014.

In 2001, Governor Jeb Bush appointed Mr. Cooner to the Florida Board of Professional Surveyors and Mappers (Board). From 2003 to 2006, Mr. Cooner, as Chairman of the Rules Committee, held workshops and hearings throughout Florida to rewrite Florida's Minimum Technical Standards (MTS) for surveying and mapping. The new MTS went into effect in 2006. He was reappointed to the board in 2007 by Governor Charlie Crist. Mr. Cooner served as Chair of the Board from January 2008 until August 2010. Mr. Cooner also served on the Committee to assist the Board in the development of the current Professional Standards of Practice for Surveying and Mapping in Florida.

During his career he has managed the field surveying, photogrammetry and mapping of hundreds of miles of design surveys for water and sanitary sewer projects, including those that involved teams comprised of multiple surveying and mapping companies. Mr. Cooner has a thorough understanding of the importance of thorough data collection, including subsurface utilities and the identification of existing title issues to minimize conflicts and delays during construction.

A primary focus of his career has involved the evaluation, acquisition and implementation of new technologies including GPS, Laser Scanning, manned and unmanned hydrographic survey devices, Unmanned Aerial Vehicles (UAV) and most recently Multi-Channel Ground Penetrating Radar.

Mr. Cooner is a Senior Principal with Cardno and on the Board of Directors of the Florida Surveying and Mapping Society. He also serves on the advisory Committee to the University of Florida's Geomatics program. He holds a certificate in Utility Investigations for Professionals from the Trenchless Technology Center at Louisiana Tech University.



# DESIGN FOR PIPELINE SETTLEMENT

With increasing pressure from the general public to provide safe, reliable, long-lasting infrastructure, large diameter water transmission pipelines that deliver potable water supply to large municipal populations are under scrutiny.

This presentation provided a case study of a large diameter water transmission pipeline design and construction to include alternative analysis, material and joint selection strategies with focus on grooved technology to provide thrust restraint yet flexibility at field connections. Geometric considerations for grooved technology were presented. A typical AWWA Manual M11 Harnessed Joint design to provide flexibility will be compared to restrained flexible joint technology. Example problems were presented.

## About the Presenter:

### Chris Sundberg, SE, SCWI

Mr. Sundberg works out of his home in Issaquah, WA as a technical advisor to Victaulic, Easton, PA, where he is Director of Infrastructure, Water & Power.



He is a Registered Structural Engineer (SE) in Washington State and Senior Certified Welding Inspector (SCWI) with a background in design of global water projects.

He is active on several national committees including AWWA (American Water Works Association), Steel Pipe and Stainless Steel technical committees. He is past chair of AWWA C301 (Pre-stressed Concrete Cylinder Pipe), C303 (Bar-Wrapped Concrete Cylinder Pipe) & C304 (Design of Pre-stressed Concrete Cylinder Pipe) technical committees.

Mr. Sundberg has co-authored several ASCE Hydroelectric Penstock publications including:

1. Steel Penstocks, ASCE Manuals and Reports on Engineering Practice No. 79
2. Guidelines for Inspection and Monitoring of In-Service Penstocks
3. Guidelines for Evaluating Aging Penstocks.

Mr. Sundberg has been a regular contributor to the ASCE Pipelines Conference Technical Forum where he has authored or co-authored the following publications:

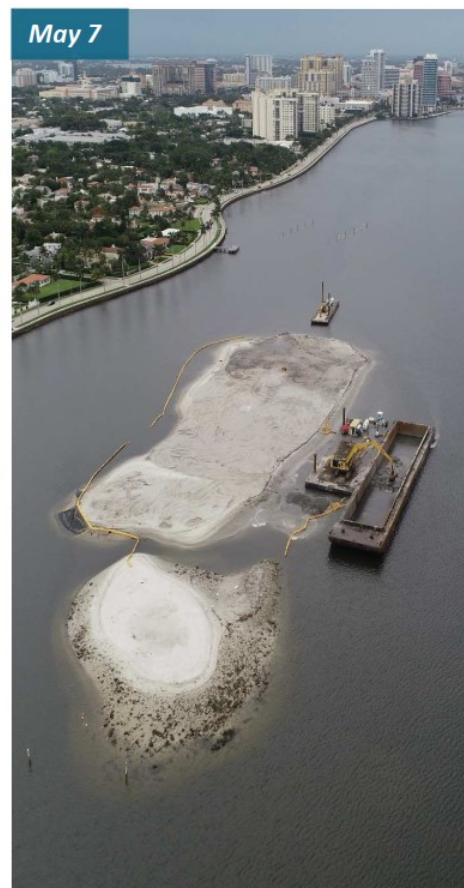
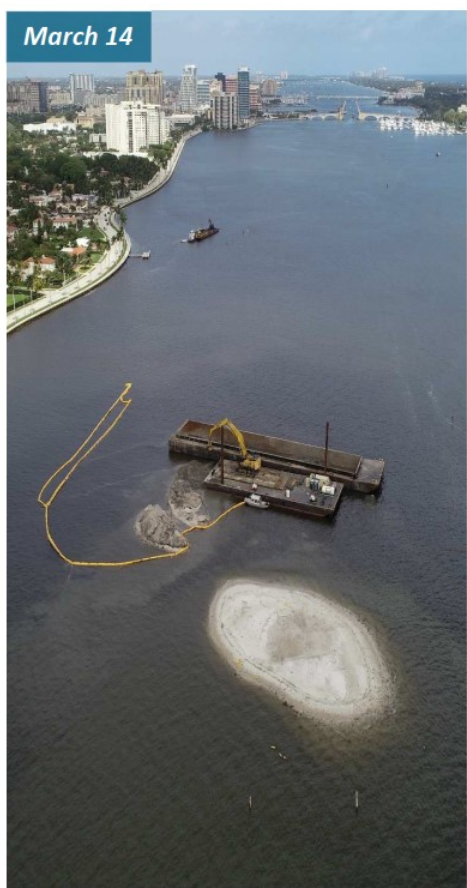
1. *Large Diameter Feeder-main Takes Advantage of Groove Technology*, C. Sundberg; 2018 Toronto, Canada
2. *Large Diameter Couplings for Seismic Conditions*, C. Sundberg; 2018 Toronto, Canada
3. *Design of True Wye Branches*, C. Sundberg & J. Call; 2017 Phoenix, AZ
4. *Fundamentals of Differential Settlement*, C. Sundberg; 2017 Phoenix, AZ
5. *Design and Fabrication of Reducing Elbows*, C. Sundberg & J. Call; 2016 Kansas City, MO
6. *Welding Details for Welded Steel Wye Branches*, C. Sundberg; 2014 Portland, OR.
7. *Anchor Block Design Made Easy*, C. Sundberg; 2013 Fort Worth, TX.
8. *Tangent Outlet Design for Welded Steel Pipe*, C. Sundberg; 2012 Miami, FL.
9. *Seismic Design of Ring Girders*, C. Sundberg; 2010 Keystone CO
10. *Do The Math-Spiral Welded Steel Pipe Is A Good Bet*, C. Sundberg; 2009 San Diego, CA
11. *Fabrication of Welded Steel Wye Branches*, C. Sundberg; 2008 Atlanta, GA
12. *Welded Lap Joint Brittle Failure: A Assessment of the Atlanta 72-Inch Welded Steel Water Pipe Demonstrates Deficiencies in AWWA Standards*, L. Hunt, B. Jacob, C. Sundberg, & S. Genculy; 2007 Boston, MA
13. *A Basis for Use of Single Welded or Double Welded Lap Joints for Steel Water Pipe*, C. Sundberg, & J. Call; 2007 Boston, MA
14. *Design and Construction of Large Diameter Welded Steel Pipe Bridge Crossing for Potable Water Supply in Anchorage, Alaska*, M. Corsentino, C. Sundberg, D. Stella, & R. Piper; 2007 Boston, MA





## ESTUARINE ISLAND CREATION WITH INTRACOASTAL WATERWAY MAINTENANCE DREDGED MATERIAL IN LAKE WORTH LAGOON

The Florida Inland Navigation District (FIND) - local sponsor for the 407-mile federally authorized Florida Atlantic Intracoastal Waterway (AIWW), Intracoastal Waterway (IWW) and the eastern 98 miles of the Okeechobee Waterway (OWW) - sponsored a project to maintenance dredge the IWW channel to -10 feet (ft) Mean Lower Low Water (MLLW), its federally authorized depth, in a 4.5-mile section from the Port of Palm Beach to the Town of Palm Beach docks in Palm Beach County, Florida. This portion of the IWW channel had not received maintenance dredging since its construction in the 1960s. The project removed shoals impeding navigation and restored the channel to its federally authorized dimensions. Yehya shared pictures from the construction process and the attendees had multiple questions regarding the construction process.



### About the Presenter:

#### Yehya Siddiqui, P.E.

Yehya Siddiqui received his Bachelors of Civil Engineering from the University of Nottingham and Masters in Coastal Engineering from the University of Florida. After graduating, he worked as a field engineer, equipment engineer, and estimator for Manson Construction. He traveled extensively, was intricately involved in the maintenance dredging of several major shipping channels along the eastern United States. During his four-year tenure at Taylor Engineering he has served many critical project roles for the Florida Inland Navigation District, Jupiter Inlet District, U.S. Army Corps of Engineers, and National Fish and Wildlife Federation. In the six years of his career, Yehya has been very involved in several organizations including the Palm Beach Branch of the American Society of Civil Engineers serving as the Young Members Committee Chair, National ASCE Coasts, Oceans, Ports, & Rivers Institute and the Western Dredging Association.





# IMPORTANT CONSTRUCTION LAW ISSUES

Despite the engineering profession being a very risky profession, engineers are taught very little about the laws and minimizing legal risks in the engineering profession. Engineers at all levels can benefit from a basic understanding of the legal requirements and available protections in any contractual and non-contractual relationship with clients, owners, contractors and other consultants.

Mr. Young gave us a general overview of the most important topics, articles, language and legal knowledge that engineers should possess to protect themselves. Some of the main topics that were covered were:

- ◆ Limitation of Liability
- ◆ Public Private Partnerships
- ◆ Contract Terms
- ◆ Signatory Authority
- ◆ Scope of work
- ◆ Price
- ◆ Late Payments
- ◆ Notices
- ◆ Default
- ◆ Termination
- ◆ Third party Beneficiary
- ◆ Consequential Damages
- ◆ Change order
- ◆ Indemnification
- ◆ Litigation Vs Arbitration
- ◆ Attorney Fees



## About the Presenter:

Mark Young, Esq., JD, MBA, BS. Civil Engineering

**Mark Young** is an attorney concentrating in construction and business law. He is a Shareholder with AS-BUILT LAW, PLLC. Mr. Young worked for a prime contractor on construction projects as large as \$1.8 billion (\$1.2 billion construction budget). Mr. Young serves as a construction panel member for the American Arbitration Association - he served as an arbitrator on cases as large as eight digits. Mark designed land development (residential and commercial), roadway, train, and airport projects as a project engineer prior to attending law school. He has been a registered Patent Attorney with the United States Patent & Trademark Office since 2001. Mr. Young has a Juris Doctor and Masters in Business Administration from the University of Utah. He also has a B.S. in Civil Engineering from Rose-Hulman Institute of Technology.







# GEO INSTITUTE

## Practical and Academic Geotechnical Reflections

Jose Gomez presented to our Geo-Institute on the success of geotechnical projects and how it depends on several coupling factors such as academic preparation, continuing education and professional experience. All of which, when well acquired allow for success and application of what is called "engineering judgment". All three factors above become more relevant when one considers that geotechnics is not a precise science; rather instead, an art. As the legendary geotechnical engineer and professor, Ralph B. Peck mentioned in one of his last memorable conferences, "geotechnics is an imprecise art".

**Jose Gomez** is a Chief Engineer at Intertek-PSI. Mr. Gomez has over 39 years of experience in large excavations and slope stability analysis, dam design, stabilization measurements, shallow and deep foundation designs, ground improvement systems, dewatering systems, bulkhead designs. He has also provided forensic and value engineering, and geotechnical recommendations for a variety of projects.



Mr. Gomez has been adjunct professor for undergraduate and graduate geotechnical courses. He has been a speaker during the last 25 years of his professional career. His main topics have been geotechnical and project case histories.

Mr. Gomez has published more than 40 technical papers related to geotechnical and civil engineering projects. He is the author of a book on sailing (Mi Maestro ... El Mar).



# EWRI

## CERP 101 (Comprehensive Everglades Restoration Plan)

Authorized by Congress in 2000, the **Comprehensive Everglades Restoration Plan** (CERP) focuses on "getting the water right" in the South Florida Ecosystem-getting the right amount of water of the right quality to the right places at the right time. The CERP consists of 68 components to restore, preserve and protect the south Florida ecosystem while providing for other water related needs of the region. This presentation will focus on the history and structure of the CERP as well as our cost share and partnership with the federal government from a programmatic perspective. In addition, we will discuss the construction status of non-CERP and CERP projects, current project planning efforts and future implementation of the CERP.

**Megan Jacoby** joined the South Florida Water Management District (SFWMD) in 2002 and has been in the field of Everglades research and restoration since 1999. Since joining the SFWMD, Megan has served as an Environmental Scientist, Water Resources Advisory Commission Facilitator, Intergovernmental Representative and Lead Project Manager. In her current role as Principal Federal Policy Analyst, Megan leads the development of programmatic and interagency cooperative agreements as well as manages federal cost share and Federal policy issues. In 2017, Megan participated in the U.S. Army Corps of Engineers South Atlantic Division Regional Leader-





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Thomas Montano, P.E.  
P: 772-424-4239  
[tmontano@teamgfa.com](mailto:tmontano@teamgfa.com)

### VICE PRESIDENT

Teresa Chapman  
P: 561-746-6900x1104  
[teresa.chapman@fltechinc.com](mailto:teresa.chapman@fltechinc.com)

### TREASURER

Marly Trier, MS, E.I.  
P: 561-799-3855  
[marlena.trier@jacobs.com](mailto:marlena.trier@jacobs.com)

### SECRETARY

Phoebe Cuevas Molina, P.E.  
P: 561-753-9723  
[cuevas-molinap@erdmananthony.com](mailto:cuevas-molinap@erdmananthony.com)

### PAST PRESIDENT

Vijay Mishra, P.E.  
P: 561-682-2810  
[vimishra@sfwmd.gov](mailto:vimishra@sfwmd.gov)



Palm Beach Branch

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

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## 2019-2020 Committee Chairs

### YOUNG MEMBERS

Yehya Siddiqui, P.E.  
P: 561-445-9254  
[YSiddiqui@TaylorEngineering.com](mailto:YSiddiqui@TaylorEngineering.com)

Sara Fox, E.I.  
[sfow@baxterwoodman.com](mailto:sfow@baxterwoodman.com)

### NEWSLETTER EDITOR

Julie Parham, P.E.  
[jparham@lakeworth.org](mailto:jparham@lakeworth.org)

### SOCIAL MEDIA & WEBMASTER CHAIR

Sara Fox, E.I.  
[sfow@baxterwoodman.com](mailto:sfow@baxterwoodman.com)

### MEMBERSHIP CHAMPION

Khaled Abdelli, P.E.  
P: 561-682-6430  
[Khaled.Abdelli@radise.net](mailto:Khaled.Abdelli@radise.net)

### EWRI

Brent Whitfield, P.E.  
P: 561-746-6900x1160  
[bwhitfield@chenmoore.com](mailto:bwhitfield@chenmoore.com)

Sayed Haji, Ph.D., P.E., P.H.  
P: 561-682-643  
[shajimir@sfwmd.gov](mailto:shajimir@sfwmd.gov)

Emily McBryan, P.E.  
P: 561-713-1320  
[emcbryan@collectivewater.com](mailto:emcbryan@collectivewater.com)

### GEOTECHNICAL INSTITUTE

Shawn Gao, P.E.  
[hgao@sfwmd.gov](mailto:hgao@sfwmd.gov)  
Andrew Nixon, P.E.  
[andrew.nixon@radise.net](mailto:andrew.nixon@radise.net)  
Jose Gomez, P.E.  
[jgomez@ecslimited.cpm](mailto:jgomez@ecslimited.cpm)

### LEGISLATIVE BREAKFAST

Brent Whitfield, P.E.  
P: 561-746-6900x1160  
[bwhitfield@chenmoore.com](mailto:bwhitfield@chenmoore.com)

Justin Tagle, E.I.  
[jtagle@chenmoore.com](mailto:jtagle@chenmoore.com)

### COMMUNITY OUTREACH

Paula Fonseca, P.E.  
P: 561-281-4480  
[pfonseca@chenmoore.com](mailto:pfonseca@chenmoore.com)

Madeley Ariola, E.I.  
[mariola@chenmoore.com](mailto:mariola@chenmoore.com)

### K-12 OUTREACH

Madeley Ariola, E.I.  
[mariola@chenmoore.com](mailto:mariola@chenmoore.com)  
Emily McBryan, P.E.  
P: 561-713-1320  
[emcbryan@collectivewater.com](mailto:emcbryan@collectivewater.com)

### SCHOLARSHIP PROGRAM CHAIR

Sayed Haji, Ph.D., P.E.  
P: 561-841-0103  
[shajimir@sfwmd.gov](mailto:shajimir@sfwmd.gov)

### FAU ASCE STUDENT CHAPTER PRESIDENT

Rex Robinson  
[rexrobinson2018@fau.edu](mailto:rexrobinson2018@fau.edu)

### FAU STUDENT OUTREACH

Nitesh Goli, E.I.  
[Nitesh.Goli@Radise.net](mailto:Nitesh.Goli@Radise.net)

### FAU FACULTY ADVISOR

Dr. Frederick Bloetsher  
[fbloetsc@fau.edu](mailto:fbloetsc@fau.edu)  
Dr. Yang Yong  
[yongy@fau.edu](mailto:yongy@fau.edu)

## 2019-2020 Florida Section

### PRESIDENT

Chris Sharek, P.E., ENV SP  
[chris@shareksolutions.com](mailto:chris@shareksolutions.com)

### PRESIDENT-ELECT

Jeff Earhart, P.E.  
[jeff.earhart@cpwgengineering.com](mailto:jeff.earhart@cpwgengineering.com)

### SECRETARY/TREASURER

Barton Fye, P.E.  
[barton.fye@kimley-horn.com](mailto:barton.fye@kimley-horn.com)

### PAST PRESIDENT

Rachel Haeseler, P.E.  
[haeselerRA@gru.com](mailto:haeselerRA@gru.com)

### DISTRICT I VICE PRESIDENT

Brent Whitfield, P.E.  
[bwhitfield@chenmoore.com](mailto:bwhitfield@chenmoore.com)

### REGION 5 GOVERNORS

Sarah Matin, P.E.  
[sarahl.matin@rinkerpipe.com](mailto:sarahl.matin@rinkerpipe.com)

Peter Moore, P.E.  
[pmoore@chenmoore.com](mailto:pmoore@chenmoore.com)

Marta Alonso, P.E., ENV SP  
[malonso@hazenandsawyer.com](mailto:malonso@hazenandsawyer.com)

### EXECUTIVE DIRECTOR

Judy Nichols  
[judy@fla-asce.org](mailto:judy@fla-asce.org)

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