

## **TRACK X-A=Emerging Technology SPEAKERS**

### **8:30-8:55 Advantages of Onsite-Manufactured Pipe for HDD Installations**

**Mo Ehsani, Ph.D., President, QuakeWrap Inc.**



Mo was a professor of civil engineering at the University of Arizona for 28 years.

He pioneered the field of repair and retrofit of civil structures with Fiber Reinforced Polymer (FRP) materials in the 1980s. He has received numerous patents and grants from various US government agencies for pipe repair and construction using FRP products.

### **9-9:25 Advancements in Sewer Bypass Technology with Internet of Things (IoT)**

**Justin Childers, Strategic Customer Service Representative, Sunbelt Rentals**



As strategic customer representative for Sunbelt Rentals' Pump Solutions, Justin covers North and South Carolina. In this role, his responsibility is engineered turnkey bypass systems, from concept to implementation, specifically pump operation using the most current Internet of Things (IoT) technology for precise flow control and monitoring.

He has extensive experience in design build/engineered sewer bypass systems and dewatering applications.

### **9:30-9:55 Acoustic-Based Pipeline Condition Assessment Offers Cost-Effective, Efficient Inspection**

**Dolon Silimon, VAR Channel Manager, Mueller Water**



Dolon is responsible for identifying and partnering with third-party organizations to advocate to utilities and municipalities with aging pipeline infrastructure challenges, using acoustic-based pipeline condition assessment as a solution. This type of assessment identifies condition of distribution and transmission mains, while simultaneously searching for leaks.

Utilities and municipalities across North America are able understand the status of buried assets, which enables optimization of replacement programs to maximize results – despite limited budgets.

### **10-10:25 Everything is Easier by the Foot: Unit Costing by Linear Foot**

**Phil Cook P.E., Senior Project Advisor, CP&Y Inc.**



Phil's experience spans 38 years in the water industry, the majority spent in the water-challenged states of Texas, Arizona and California. His extensive project list includes water resource and master planning, design and construction of large water/wastewater treatment and conveyance facilities.

Program related experience includes both management and team experience for new water resource programs and consent decree work. His experience also encompasses 8 years as the director at the San Antonio Water System..

**Jordan Eades, EIT, Project Engineer, CP&Y Inc.**



Jordan is well-versed in project implementation processes and procedures. She currently assists project managers in the preparation of contract documents, including drawings, specifications, RFIs, comment responses, schedules and Engineer's Opinions of Probably Construction Cost.

She successfully completed the April 2021 NCEES Principles and Practice of Engineering (PE) examination and is awaiting professional engineering licensure, after successful completion of the experience requirements.

**10:30-10:55 Quantitative Risk Assessment of Large-Diameter Interceptors**

**Mazen Kawasmi, P.E., Principal/Vice President, Freese and Nichols Inc.**



Mazen currently manages the North Texas Water/Wastewater Master Planning team.

As one of the firm's most-experienced modeling professionals for water and wastewater systems, his primary focus is water and wastewater system Master Plans, studies, and GIS development and integration for municipalities and other service providers.

He is certified in Asset Management by the Institute of Asset Management.

**11-11:25 Tyler, TX, Wastewater Rehabilitation Strategy & Lessons Learned**

**Mathew Busby, P.E., Associate/Team Leader, Lockwood, Andrews & Newnam Inc.**



Mathew has more than a decade of experience developing engineering solutions for municipalities. His background includes roadway, drainage, water, and wastewater projects. His broad range of design and construction experience is invaluable for effectively and efficiently delivering complex projects.

He was recognized as a 2020 Rising Star in Full-Service Engineering by Civil + Structural Engineer and a 2019 Young Engineer of the Year by the Dallas Chapter of TSPE.

**Paul Neuhaus, P.E., Environmental Compliance Engineer, City of Tyler,**



Paul has private sector experience in project management and consulting engineering prior to beginning work with the City of Tyler in 2018. Consulting experience included structural evaluations, paving design, stormwater management, and environmental permitting (air, industrial pretreatment, stormwater) and remediation.

He oversaw operational changes, reporting submittals, assessment work, and the initiation of remedial construction, required by the City's wastewater collection system Consent Decree.

**11:30-11:55 Capturing Lost Revenue from Large Meters**

**Ashley Waits, P.E., Utility Operations Engineer, City of Irving**



Ashley graduated from Texas Tech University with her B.S. in Civil Engineering in 2006.

After starting her career in consulting, she then transitioned to public sector to work for the City of Irving in 2013.