

TRACK VI=Power & Gas Utility

SPEAKERS

9:30-9:55 Acoustic Methods to Detect Infrastructure Cross Bores

Pradheep Kileti, P.E., Director-Future of Heat/R&D Program Management, National Grid PLC



Pradheep's primary areas of focus are renewable natural gas, hydrogen blending, district heating systems and investing in strategic R&D priorities pertaining to underground assets.

He has a Bachelor's in Civil Engineering and an MBA from Hofstra University and a corporate innovation certification from Stanford University.

10-10:25 New Solutions for Isolating Gas Distribution Pipelines

Ryan Ragsdale, Senior Product Manager, TD Williamson



Ryan has been with TDW for eight years and currently oversees the company's isolation portfolio. He is responsible for the strategic positioning and execution of multiple TDW products and is currently leading the design of several products for the gas distribution industry. Most recently, he is overseeing the ProStopp DS and the POLYSTOPP Quick Connect product launches.

He has a Bachelor's and MBA from Northeastern State University in Oklahoma.

10:30-10:55 Fiber-Optic, Leak, ROW Intrusion Detection: Challenges, Mitigations from Operator Perspective

Paul Stevenson, President/CEO, INTELI-DAS LLC



Paul has over 30 years of experience in the oil and gas industry. Throughout his career, he has been extensively involved with asset integrity management and regulatory compliance, through work at Noble Denton, KBR and Lloyd's Register. Today, his company provides quantitative fiber-optic distributed acoustic sensing.

After studying Electrical & Electronic Engineering at University of the West of Scotland, he later received, in 2007, a three-year professorship in applied structural dynamics from Harbin Engineering University.

11-11:25 Review of States' Regulatory Damage Prevention Programs

Khalid Farrag, Ph.D., P.E., R&D Manager, Gas Technology Institute



Khalid's work focuses on R&D of infrastructure construction and maintenance. He managed projects on pipeline integrity, excavation, corrosion and other threats, and utilities installations.

He is a member in the Transportation Research Board (TRB) Committee on Transportation of Hazardous Materials, ASCE, ASME Committee on Composite Repair, and ASTM Committee on Soils and Rocks.

He holds a doctorate and master's in Civil Engineering and is a Project Management Professional.

11:30-11:55 Reducing the Consequences of Gas Pipeline Damage

David Heldenbrand, Engineer, Bison Engineering



David is a licensed Professional Engineer and has investigated many explosion-related incidents in the past 36 years. He is also a Certified Fire Investigator.

These qualifications bring particular insight into this topic. He has given over 20 presentations on this subject matter over the past seven years.

Daniel Saavedra, Project Manager, Bison Engineering



In the past eight years, Daniel has participated in numerous natural gas and propane related fires and explosions. He helped develop testing procedures to establish pressure and flow of gas through soils. He has conducted soil gas migration research. After explosions and fires, Mr. Saavedra had conducted soil gas migrations surveys to identify post-incident fuel gas presence.

He has a Master's in Civil Engineering from Ohio University.