### 4th Trenchless Technology and Pipe Conference (TTP 2019)

**Sponsored By South Central Chapter of NASTT (SC-NASTT)**

**Tuesday, May 21, 2019**

Nedderman Hall – The University of Texas at Arlington

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td><strong>Registration with Refreshments at Exhibit Area Sponsored by RPS Group</strong></td>
</tr>
</tbody>
</table>
| 8:00 AM | **Welcome Presentations (Room 100)**  
  Dr. Mohammad Najafi, Professor and Director of CUIRE  
  Mr. Alan Goodman, President, South Central Chapter of NASTT  
  Dr. Peter Crouch, Dean, College of Engineering  
  Dr. Ali Abolmaali, Chair, Civil Engineering |
| 8:45 AM | Presentation of Student Scholarships                                    |
| 9:00 AM | **Keynote Presentation: Mr. Travis Andrews, Assistant Water Director at City of Fort Worth** |
| 9:30 AM | **Break with Refreshments at Exhibit Area Sponsored by RPS Group**       |

#### Morning Concurrent Sessions – 10:00 am to 12 Noon

| Time/Track | Track A -- Room 105  
  New Installations  
  **Moderator: TBA** |
|------------|----------------------------------------------------------|
| 10:00 AM  | **Large HDD Projects in Texas**  
  Maureen Carlin, Laney Directional Drilling |
| 10:30 AM  | **Fort Worth District Transportation Highlights**  
  John Cordary, P.E., Deputy District Engineer  
  TxDOT – Fort Worth District |
| 11:00 AM  | **Risks/Rewards in Completing a Design/Build Tunneling Project**  
  Mike Ramirez, PE – Parkhill, Smith & Cooper Breff Cooling, BRH Garver |

| Time/Track | Track B -- Room 100  
  Rehabilitation, Replacement and Renewal  
  **Moderator: TBA** |
|------------|----------------------------------------------------------|
| 10:00 AM  | **Municipalities Tackle Serious Problems with Simple Solutions, Trenchless Point Repairs**  
  Will Leblanc, HammerHead Trenchless |
| 10:30 AM  | **Compression Fit HDPE Pipe Lining to Renew Large Diameter Water Transmission and Sewer Force Mains**  
  Todd Grafenauer, Murphy Pipeline Contractors |
| 11:00 AM  | **Culvert Replacement for Railroad and DOT**  
  Alan Goodman, HammerHead Trenchless |

| Time/Track | Track C -- Room 106  
  Geotechnical Considerations  
  **Moderator: Dr. Dorairaja Raghu** |
|------------|----------------------------------------------------------|
| 10:00 AM  | **Impact of Corrosive and Expansive Soils on Pipelines**  
  Dr. Dorairaja Raghu, New Jersey Institute of Technology (Retired) and John Johnston, President, Henley-Johnston & Associates, Inc., |
| 10:30 AM  | **Characterization of Expansive Soils**  
  Dr. Aritra Bannerjee & Dr. Anand Puppala, UTA |
| 11:00 AM  | **How to Engineer Pipes for a 150+ year Design Life, New and Rehab**  
  Bijan Khamanian, HOBAS Pipe USA, Inc., |
| Time/Track | Track A -- Room 105  
New Installations  
**Moderator: TBA** | Track B -- Room 100  
Rehabilitation, Replacement and  
Renewal, **Moderator: TBA** | Track C -- Room 106  
Geotechnical Considerations  
**Moderator: Dr. Dorairaja Raghu** |
|------------|-----------------------------------------------|-----------------------------------------------|--------------------------------------------------|
| 11:30 AM   | Buoyancy Control for HDD Installations  
*Jim Williams, Brierly Associates* | Aerial Crossing CIPP Project in Allen, Texas  
*Timothy Peterie, Insituform/Fibrwrap Const.* | Corrosion and Its Control, Polyethylene Encasement  
(V-Bio®) for Ductile Iron Pipelines  
*Allen Cox, DIPRA* |
| 12:00 Noon | **BBQ Buffet Lunch at Exhibit Area Sponsored by Hammerhead Trenchless Equipment and Ditch Witch** | | |
| 1:00 PM    | **Afternoon Concurrent Sessions – 1:00 pm to 4:30 pm** | | |
|            | **HDD Drilling Rock & Mud Management**  
*Seth Matthesen, Ditch Witch* | **Water Line Bursting with a Case Study**  
*John Newell, Pipe Burster* | **New Developments in HDPE Pipe**  
*Harvey Svetlik, P.E., MSM – Water,  
Georg Fischer-Central Plastics* |
|            | **Design of Tunnel to Eliminate Lift Station**  
*Kenneth Tillman P.E., RPS Group* | **FPVC Helps Serve Water Replacement Market with Pipe Bursting Method**  
*Shawn Garcia, Underground Solutions* | **Jacking and HDD Applications of Steel Pipe:**  
**Geotechnical Considerations and Corrosion Impact, Shah Rahman, BGE, Inc.** |
|            | **Pilot Tube Guided Boring for Extended**  
**Diameters and Harder Geology**  
*Cecilia Zavaleta, Akkerman* | **Things to Consider When Pipe Bursting 6**  
**Upsizing to 8**  
*Mike Woodcock, Portland Utilities* | **Trenchless Technology in Expansive Soils**  
*Dr. Mohammad Najafi, Zahra (Ellie) Kohankar and Amin Darabnoush, CUIRE/UTA* |
|            | **Locating Toolbox**  
*Nikolaus Taylor, Subsite* | **Pipeline Inspection Technologies on**  
**Pressure Pipes**  
*Ramsy Hemaidan, Hydromax USA* | **Ductile Iron Pipe in Expansive Soils**  
*Allen Cox, DIPRA* |
| 3:00 PM    | **Advancements in Slurry Microtunneling for Long**  
**Distance and Curved Tunnels**  
*Cecilia Zavaleta, Akkerman* | **UV Cured CIPP Technology**  
*Taylor Chafin, Fuquay Inc.* | **Panel Discussion**  
**Moderated by Dr. Dorairaja Raghu**  
1. Trench Cross Section Including Use of Granular Fill in Expansive Soils  
2. Utility Exemption and Trench Backfill |
| 4:00 PM    | **HDD - The Importance of Pullback Support Design**  
*Justin Taylor, P.Eng., P.E., CCI and Associates* | **Condition Prediction of Sanitary Sewer Pipes**  
*Reza Malek, CUIRE/UTA* | | |
| 4:30 PM    | **Conclusion of the Conference and Distribution of Certificates (7 PDHs, 0.7 CEUs)** | | |

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Page 2 of 2