

# International Congress on Underground Infrastructure, Water Management and Trenchless Technology



**7-8**  
**September 2017**  
İstanbul Medeniyet University

## PROGRAMME

### 07 SEPTEMBER 2017 THURSDAY

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|---------------|---|
| 09:00 - 10:00 | Registration  |
| 10:00 - 10:30 | Opening Speeches<br>Dr. Mücahit Namlı, YUPAM, Istanbul Medeniyet University<br>Dr. M. İhsan Karaman, Rector, Istanbul Medeniyet University<br>Dr. Mahmud Güngör, General Manager, DESKI<br>Fatih Turan, General Manager, ISKI (TBC) |
| 10:30 - 11:00 | Durability and Reliability of Large Diameter (16-in. and Larger) HDPE Pipe for Water Main Applications, Dr. Mohammad Najafi, University of Texas at Arlington   |
| 11:00 - 11:30 | Water Network SCADA System in Denizli, Dr. Mahmud Güngör, DESKI   |
| 11:30 - 12:00 | E-3301 The First Turkish-Built TBM, Özgür Savaş Özüdoğru, E-BERK  |
| 12:00 - 13:00 | Lunch Break   |
| 13:00 - 13:30 | Technological Methods on Repairment of Water and Sewage Systems and Their Social and Economical Acquisition, Cemalettin Kaleli, ISKI  |
| 13:30 - 14:00 | Water Loss and Leakage Control in Water Supply and Distribution Systems in Turkey, Aslıhan Korkmaz, SYGM  |
| 14:00 - 14:30 | Water Leak Detection Instruments and Early Warning Systems, Abdullah Sarıkaya, AYKOME   |
| 14:30 - 15:00 | Comparison of Trenchless and Open-cut Method for Construction of an Underground Freight Transportation (UFT) System, Amir Tabesh, University of Texas at Arlington  |
| 15:00 - 15:30 | Networking Break  |
| 15:30 - 16:00 | Investigation on Clearances for Buried Natural Gas Pipes and Electrical Lines, Mustafa Yurdabal Apak, IGDAS   |

- 16:00 - 16:30 Demand for Trenchless Technology in Iran, Dr. Mohammad Reza Zare, University of Isfahan
- 16:30 - 17:00 Multi-objective Optimization of a Gas Pipeline Network: An Ant Colony Approach, Dr. Adarsh Kumar Arya, University of Petroleum and Energy Studies

**08 SEPTEMBER 2017 FRIDAY**

- 09:30 - 10:00 Effect of Bentonite Injection Time on Microtunneling Frictional Forces, Dr. Mücahit Namlı, Istanbul Medeniyet University
- 10:00 - 10:30 New Developments for Microtunnelling, HDD and Auger Boring, Bahadır Çınar, Herrenknecht AG
- 10:30 - 11:00 Increasing the Performance of Water Transmission and Distribution Network in Denizli, Dr. Mahmud Güngör, DESKI
- 11:00 - 11:30 Networking Break
- 11:30 - 12:00 Modelling Water Hammer Phenomenon with Radial Basis Function Collocation Method, Dr. Emin Çiftçi, Maltepe University
- 12:00 - 12:30 Risk Identification for Pipeline Installation by Horizontal Directional Drilling, Zahra Kohankar Kouchesfehani, University of Texas at Arlington
- 12:30 - 14:00 Lunch Break
- 14:00 - 14:30 Energy Efficiency, Renewable Energy and Energy Potential in DESKI, Dr. Mahmud Güngör, DESKI
- 14:30 - 15:00 Investigating the Behavior of a Buried Flexible Pipe Covered with EPS Geofom, Dr. Havvanur Kılıç, Yıldız Technical University
- 15:00 - 15:30 GIS for Optimizing Extension in Existing Sewerage Networks Case Study: Kirkuk, Ahmet Dabanlı, Başarsoft
- 15:30 - 16:00 An Evaluation on The Planning of Pipeline System, Necati Gülbahar, Istanbul Gelişim University