



Trenchless Asia 2008 Conference

Wednesday 16 April 2008

10.30 a.m. – 5.00 p.m.

The papers listed below will feature in the Conference programme. The timetable and final schedule will be updated mid March 2008

International Presentations

- **Environmentally friendly technologies for installing underground infrastructure in China**

Samuel T. Ariaratnam, Ph.D., P.Eng. Associate Professor, Del E Webb School of Construction, Ira A. Fulton School of Engineering, Arizona State University, Tempe, Arizona USA and Vice-Chairman ISTT

This paper discusses emissions from pollutants and demonstrates the inherent environmental benefits of employing trenchless construction methods through a case study analysis, comparing a typical utility installation project using open-cut with one using horizontal directional drilling.

- **Rehabilitation of pressure pipelines with PE pipes**

Wim Elzink, Wavin, Netherlands

The paper describes different rehabilitation options for pressure pipelines:

- . sliplining, when decrease of flow is permitted
- . close-fit lining, when flow capacity has to be maintained
- . pipe bursting, when increase of flow is required

- **Pipe Rehabilitation Solution for China**

Dr Dec Downey Principal Jason Consultants, Chairman ISTT, UK. and Dr J T Huang Deputy Director, Research Institute of Construction Management, Shenzhen University, China

The authors have spent many years involved in trenchless technologies in the Asia Pacific region and consultants and contractors, they will provide an experience based perspective on needs of China in water and wastewater, gas and other utility applications to meet the growing demands for modern underground infrastructure. Their presentation will consider the demand for in service education and training, the development of specifications in the emerging market and issues of technology transfer and local manufacturing.

- **Boxed tunnelling methods under railway and highways in Korea**

Kern Shin Yoon, Ph.D., P.E., Director, Tuksu Engineering and Construction Co., Seoul, Korea

This paper will include the design and construction methods with several case histories.

China Presentations

- Pipe Segment Shield Technique

Yu Binquan, Yangzhou Guangxin

- Precise Detection Technology in Trenchless Pipelines

Li Dahai, Shanghai Trenchless Information Engineering Technology Co. Ltd.

- Research and Development of Intelligent HDD for Pipeline Installation

Liang Wu, Changsha Zoomlion Heavy Industry Science & Technology Development Co., Ltd.

- Trenchless - an Inevitable Way for Rehabilitation of Pipelines

Jin Xuefeng, Balama (Shanghai) Machinery Co., Ltd. Beijing Office

The organisers reserve the right to amend the list of papers at any time to accommodate changing circumstances.