



TECHNICAL POSTER PRESENTATIONS*

Technical Posters will be on Display throughout the Conference in the Exhibit Hall, Salons C & D, Lower Level.

Poster Presenters will be at their poster display on Wednesday, October 16, 2019, from 6:00 p.m. to 8:00 p.m. during the Welcome Reception to network with Conference Attendees and answer questions.

ALTERNATIVE FOUNDATIONS

Expander Body to Re-Support Structure
John McKinnon | Hub Foundation Co

Study on Grouped Piles' Effective Length
Zhongkun Zhang, Civil Engineering | Binzhou University

COMPLEX EXCAVATIONS

Challenges and Lessons Learned from Shorting Design of 2nd/Broadway Metro Station
Babak Mamaqani, Ph.D., P.E. | PB&A, Inc.

Deep Foundations for Top-Down Construction of High-Rise Project
Kenneth Hudson, M.S., G.I.T. | Wood Environment and Infrastructure Solutions

Design and Construction of Permanent Sheet and Pipe Pile Basement Walls with the Press-in Piling Method
Takefumi Takuma | Giken Ltd.

THE DIGITAL FUTURE

A Fully Connected Jobsite is a Must for the Future
Jochen Maurer | fielddata.io GmbH

Design and Delivery of Micropile Installation Leveraging Augmented and Virtual Reality
Zachary Fleming | GEI Consultants Inc.

Electronic Support in Installation of Special Foundation Products as Part of the Digital Future – Ensuring Safe Production and Increasing Quality Control
Franz-Werner Gerressen | BAUER Maschinen GmbH

Virtual Imaging Technologies as Decision-Making Tools for Geo-Hazards
Arpana Sabu | WSP USA

DRILLED SHAFTS

Installation of 10 Foot Diameter CIDHS in Soft Clay Using Rotator/Oscillator on Trestle
Babak Mamaqani, Ph.D., P.E. | PB&A, Inc.

EARTH SUPPORT

Assessment of Analysis Techniques for Multi-Plate Anchors in Sand
Anastasia Nally | Northwestern University

Comparison of 2D/3D Anchor Analysis Methodologies
Murray Fredlund, Ph.D. | SoilVision

Case Histories of Circular Secant Pile Access Shafts for Tunnels
Stanley Worst, P.E. | Schnabel Foundation Company

Effects of Electokinetics on Pullout Resistance of Sheet Pile Walls
Antonio Kodsy, MSc. | New York University

GROUND IMPROVEMENT

Ground Freezing – The Use of Liquid Nitrogen Systems Converted to Brine
Joseph Sopko, Ph.D. | Moretrench, a Hayward Baker Company

Site Development and Foundation Planning for a Wastewater Treatment Plant Expansion
Ali Ghandeharioon, Ph.D., P.Eng. | Klohn Crippen Berger | Canada

Stone Columns Ground Improvement – A Trial in Silty Sands
Ana Pereira | Engineering New Zealand / Sociedade Portuguesa de Geotecnia

Use of EPS for Roadway Embankments on Soft Soils
Sherif AbdelSalam, Associate Professor | Nile University

PILE FOUNDATIONS II

Fundamentals First
Jeffrey Schuh, P.E. | Patrick Engineering Inc.

UNDERPINNING & NAILING

Deep Excavation Support: Innovative Shoring Design in an Urban Environment
Fernanda Madrona, P.E. | Terracon

****subject to change***

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