Welcome to the

ANNUAL KANSAS CITY
GEOTECHNICAL CONFERENCE

Friday, April 27, 2018
Black & Veatch – Overland Park, KS

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Cone Penetration Testing (CPT)
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PTM
Engineered Foundation Construction
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Subsurface Constructors
- Deep Foundations Since 1906
- Ground Improvement (Vibro) Since 2005
- Over 500 GI Projects in 35 States
- Opened Boston Office in 2015

Ground Improvement Capabilities
- Vibro Stone Columns
- Vibrocompaction
- Vibro Concrete Columns (VCC)
- Wick Drains
Deep Foundations
Recent Aggregate Pier Projects

- IKEA – 6,000 Stone Columns

- Streets of St. Charles
  - 23,000 sq ft shoring
  - 2,650 Stone Columns / VCCs
  - 8,000psf

- Ballpark Village – Stone Columns/Predrilling
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DEEP FOUNDATIONS INSTITUTE

UMKC
Finding Common Ground

Be part of a member-driven organization where members are involved, knowledgeable and committed to the advancement of the deep foundations industry

Find Common Ground

Add Your Voice. Become a Member.

www.dfi.org
• Bi-Monthly Magazine
• Bi-Annual Journal
• Committee guidance documents, manuals and white papers
• Conference and seminar proceedings
• www.OneMine.org
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GROUND IMPROVEMENT ENGINEERING

Leading. By Design.
Thank You ASCE!

WWW.GROUNDIMPROVEMENTENG.COM

Leading. By Design.
Bringing ground improvement out of the Stone Column Age.
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• A division of KC Master Companies
• Family-owned and operated for 33 years
• Professional engineering company
• BBB-accredited since 1987; A+ rating
• Completed commercial and residential projects totaling over $75 million, both underpinning and new construction
New construction and building restoration

- Helical piles/helical pulldown piles
- Resistance piers
- Pressure-grouted micropiles
- Tiebacks
- Soil nails/soil screws
Garmin – Olathe, KS
KETV Studio Facility – Omaha, NE
Mameyes Ponce – Puerto Rico
Benchmark – Olathe, KS
John Nowlin Elementary – Blue Springs, MO
Sedalia Public Library – Sedalia, MO
Our Science. Your Solutions.

• Geotechnical Engineering

• Environmental Consulting

• Construction Materials Testing
Braun Intertec Overview

- 60+ years in business
- 100% employee-owned
- 30 locations
- Licensed in 20 states
Markets We Serve.

• Commercial

• Energy

• Industrial

• Transportation

Photo courtesy of JE Dunn
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tenCate
materials that make a difference
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SOILVISION
INNOVATIVE GEO-MODELING SOFTWARE
SVOFFICE S
POWERFUL • FLEXIBLE • EFFICIENT

SVDESIGNER™
3D CONCEPTUAL MODELING AND VISUALIZATION

SVSLOPE
2D / 3D LIMIT EQUILIBRIUM SLOPE STABILITY ANALYSIS

SVHEAT
1D / 2D / 3D FINITE ELEMENT FREEZE / THAW MODELING

SVAIR
1D / 2D / 3D FINITE ELEMENT PORE-AIR FLOW MODELING

SVSOILS
A KNOWLEDGE-BASED DATABASE SYSTEM FOR SATURATED / UNSATURATED SOIL PROPERTIES

SVFLUX
1D / 2D / 3D SATURATED / UNSATURATED FINITE ELEMENT GROUNDWATER SEEPAGE MODELING

SVSOLID
1D / 2D / 3D FINITE ELEMENT STRESS DEFORMATION MODELING

SVCHEM
1D / 2D / 3D FINITE ELEMENT CONTAMINANT TRANSPORT MODELING

3D Multi-Directional Slope Stability Analysis
Slope Stability Analysis of 2D Slices
1D/2D/3D Groundwater Seepage Analysis

Fully integrated workflow allows users to build 3D site geometry with triangulated surface meshes using SVDESIGNER then use the mesh in all other modules.
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Terracon
Responsive, Resourceful, Reliable

- Environmental Engineering
- Facilities Engineering
- Geotechnical Engineering
- Materials Engineering & Testing
 3,800+ Employees
 160+ Offices in 40 states
 Founded in 1965
 Revenue in 2017: $655 million
 Ranking of 30 in Engineering News-Record's 2017 listing of the Top 500 Design Firms
INDEPENDENT AND COLLABORATIVE SERVICES:

- Geotechnical Engineering & Drilling
- Laboratory Services
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WORLDWIDE

100+ countries

1,000+ laboratories & offices

42,000 Employees Worldwide

HOMETOWN

WORLDWIDE
• Geotechnical Engineering
• Construction Materials Testing
• Special Inspections
• Environmental Consulting
• Building Envelope Consulting & Commissioning
• Acoustical Testing
• Roofing Systems Consulting & Testing
• Whole Building Air Testing
• Life Safety Systems Consulting

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