



4th International Conference on Grouting and Deep Mixing

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CALL FOR PAPERS

Grouting and Deep Mixing 2012

New Orleans, Louisiana, USA – February 15-18, 2012

This conference will update the state-of-practice and state-of-the-art in grouting technology, continuing the series of successful grouting conferences initiated in 1982 and its ten-year updates in 1992 and 2003. The proceedings of this conference will follow the precedent of prior conference proceedings that have become staples on the bookshelves of grouting practitioners, designers and researchers worldwide.

The Conference Committee is accepting abstracts for papers, and session proposals for the upcoming conference. An outline of topics is included below. Related topics for soil and rock grouting will also be considered.

Proposed Session Topics:

Sustainability in Grouts and Grouting Applications

New and Emerging Technologies in Grouting

Properties of Grout Materials:

- Calcium Aluminate/ Silicate Cements
- Sodium Silicate
- Hot Melts
- Foams
- Polyurethanes
- Acrylates
- Ultrafines
- Portland cement
- Slag cements
- Colloidal Silica
- Silica Fume
- Microfine cements
- Low mobility grouts
- Admixtures
- New Grouting Materials

Verification of Grouting and Deep Mixing:

- Geophysical Methods of Verification
- Demonstration Sites - summary and findings
- Innovations and Developments in Verification Techniques Equipment
- Drilling for Grouting and Ground Treatment

Properties of Grouted Materials:

- Chemically Grouted Soils and Rock
- Compaction Grouted Soils
- Soil-cement/soilcrete - jet grouted and deep mixed soils
- Strength and Permeability of Grouted Rock
- Strength and Permeability of Grouted Soil

Grouting and Deep Mixing for Seismic Retrofit and Remediation

Design methods and models for grouting

Design methods and models for deep mixing

Case Studies in Applications of Grouting and Deep Mixing:

- Dams
- Mines
- Sealing pipes
- Tunnels
- Containment
- Grouting in Rock
- Karst mitigation
- Ground treatment (permeability reduction, settlement control, seismic retrofit, structural support)
- Grouting of major civil structures
- Environmental applications
- Grouting for deep foundations
- Grouting for tiebacks
- Grouting for micropiles
- Temporary and permanent earth support
- Hydraulic barriers

Innovations and Developments in Ground Treatment Technology

- Deep Mixing
- Jet Grouting
- Permeation Grouting
- Compaction Grouting
- Compensation Grouting
- Pumping and injection equipment and methods
- Automated monitoring and control

Pipeline Grouting

- Internal pipeline repair
- Pipeline stabilization

Deadlines:

Abstracts Due: June 30, 2010

Abstract Approval: August 30, 2010

Draft Papers Due: December 31, 2010

Final Papers Due: August 15, 2011

Submit: 500-word abstract to www.grout2012submissions.org

Cooperating Organizations

