

Conference Preview and Call for Abstracts

INTERNATIONAL CONFERENCE

ICOG

ORGANIZATION FOR GROUTING



6th International Conference on Grouting and Deep Mixing

February 13-16, 2022

New Orleans Marriott | New Orleans, Louisiana

Deep Foundations Institute (DFI) along with International Conference Organization for Grouting (ICOG) are hosting the 6th International Conference on Grouting and Deep Mixing, February 13-16, 2022, at the New Orleans Marriott in New Orleans, Louisiana.



New Orleans Marriott

555 Canal Street
New Orleans, LA 70130
+1 (504) 581-1000

Be updated on the latest grouting practices, network with industry professionals, view the latest technology and services in the Exhibit Hall ... all while enjoying the excitement and diversity of the Big Easy!

Technical Advisory Committee

Leaders throughout the world in the fields of grouting and geotechnical engineering will be advising and assisting with the technical content of the conference.

- ◆ Australia
- ◆ Belgium
- ◆ Brazil
- ◆ Canada
- ◆ China
- ◆ Denmark
- ◆ Egypt
- ◆ Finland
- ◆ France
- ◆ Germany
- ◆ Greece
- ◆ India
- ◆ Italy
- ◆ Japan
- ◆ Korea
- ◆ Lebanon
- ◆ Morocco
- ◆ Norway
- ◆ Poland
- ◆ Portugal
- ◆ Singapore
- ◆ South Africa
- ◆ Sweden
- ◆ Switzerland
- ◆ Taiwan
- ◆ Thailand
- ◆ Turkey
- ◆ UK
- ◆ USA
- ◆ Vietnam

Program Overview and Conference Highlights

- ◆ Five Keynote Presentations
- ◆ Parallel Tracks of Technical Sessions
- ◆ Panel Discussions
- ◆ Exhibitor Hall
- ◆ Social and Networking Opportunities
- ◆ Greats Luncheon

Important Dates

Abstracts Due.....	May 4, 2020
Decision on Abstracts.....	June 5, 2020
Draft Papers Due.....	October 2, 2020
Decisions on Draft Papers.....	January 29, 2021
Revised Papers Due.....	March 26, 2021
Final Decision on Papers and Presentations.....	June 11, 2021
Final PowerPoint Due.....	January 28, 2022

Conference Co-Chairs:

Chadi S. El Mohtar, Ph.D., P.E.,
The University of Texas at Austin,
ElMohtar@mail.UTexas.edu and

Michael J. Byle, P.E., D.G.E., F.ASCE,
Tetra Tech, Michael.Byle@tetrattech.com

Technical Program Co-Chairs:

Donald A. Bruce, Ph.D., C.Eng.,
D.G.E., *Geosystems, L.P.,* dabruce@geosystemsbruce.com and

Paolo Gazzarrini, P.E., D.G.E., *Sea To Sky Geotech Inc.,* paolo@paologaz.com

For Conference Information:

Mary Ellen Bruce Large, P.E., D.G.E.,
DFI Director of Technical Activities,
melarge@dfi.org

Call for Abstracts for Technical Papers and Panel Sessions

Submit abstracts at www.dfi.org/Grout2022

Call for Abstracts Opens: Monday, February 10, 2020

ABSTRACT DEADLINE: Monday, May 4, 2020

Please submit abstracts (300 words or less) for original technical papers and panel sessions for the 6th International Conference on Grouting and Deep Mixing no later than **Monday, May 4**. All accepted papers will be published in the Conference Proceedings and select papers will be presented orally by the authors during the technical sessions. Paper format and panel session submission guidelines are available at www.dfi.org/Grout2022.

Abstracts are invited on the following topics:

Advances in Digital Methods

- ◆ Real Time Monitoring and Control
- ◆ Project and Data Information Management System
- ◆ DIGGS
- ◆ Measurement While Drilling
- ◆ Instrumentation Digital Integration and Reporting
- ◆ Big Data and Artificial Intelligence (AI)

Innovations and Developments in Drilling, Grouting and Deep Mixing

- ◆ Permeation Grouting
- ◆ Compaction Grouting
- ◆ Compensation Grouting
- ◆ Jet Grouting
- ◆ Deep Mixing
- ◆ Other Cutoff Methods
- ◆ Equipment and Methods for Drilling/Mixing/Pumping

Advances in Grout Materials

- ◆ Bio Cement
- ◆ Portland Cement
- ◆ Microfine/Ultrafine Cement
- ◆ Calcium Aluminate/Silicate Cements
- ◆ Sodium Silicate
- ◆ Hot Melts, Foams
- ◆ Polyurethanes, Acrylates, Admixtures

Properties of Grouted Material

- ◆ Chemically Grouted Soils and Rock
- ◆ Compaction Grouted Soils
- ◆ Soil-Cement produced by Deep Mixing and Jet Grouting
- ◆ Strength and Permeability of Grouted Soils

Grouting and Sustainability

- ◆ Materials, Drilling, Grouting and Deep Mixing as alternatives to less sustainable solutions
- ◆ Environmental Mitigation

Codes, Standards and Specifications

- ◆ Owners/Contractors/Suppliers/Third-party Prospectives, International Variation: Challenges and Lessons Learned

Advances in Verification and Monitoring

- ◆ Geophysical Methods
- ◆ Field Tests (summary and findings)
- ◆ Innovation and Development in Verification
- ◆ Measurement While Drilling
- ◆ Sampling and Testing Techniques
- ◆ Automation and Digital Controls
- ◆ Real Time Monitoring and Control

Case Studies in Applications

- ◆ Dams Levees, Mines, Tunnels, Seismic Retrofit and Remediation
- ◆ Ground Treatment (permeability reduction settlement, control, structural support)
- ◆ Grouting for Major Infrastructure
- ◆ Environmental Applications
- ◆ Grouting for Deep Foundations, Anchors and Micropiles
- ◆ Other Seepage Cut-off

Grouting for Resiliency

- ◆ Harbors and Waterfronts, Dams and Levees
- ◆ Extreme Event Mitigation
- ◆ Emergency Response and Restoration
- ◆ Environmental Applications

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