

# Conference Preview and Call for Abstracts

INTERNATIONAL CONFERENCE

# ICOOG

ORGANIZATION FOR GROUTING



## 6<sup>th</sup> International Conference on Grouting and Deep Mixing

### February 13-16, 2022

New Orleans Marriott | New Orleans, Louisiana

Deep Foundations Institute (DFI) and International Conference Organization for Grouting (ICOOG) with support from Geo-Institute's Grouting Committee are presenting the 6<sup>th</sup> International Conference

on Grouting and Deep Mixing, February 13-16, 2022, at the New Orleans Marriott in New Orleans, Louisiana.

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!



#### New Orleans Marriott

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

#### 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

#### Conference Co-Chairs:

**Chadi S. El Mohtar**, Ph.D., P.E.,  
*The University of Texas at Austin,*  
[ElMohtar@mail.UTexas.edu](mailto:ElMohtar@mail.UTexas.edu) and

**Michael J. Byle**, P.E., D.G.E., F.ASCE,  
*Tetra Tech,* [Michael.Byle@tetrattech.com](mailto:Michael.Byle@tetrattech.com)

#### Technical Program Co-Chairs:

**Donald A. Bruce**, Ph.D., C.Eng.,  
D.G.E., *Geosystems, L.P.,* [dabruce@geosystemsbruce.com](mailto:dabruce@geosystemsbruce.com) and

**Paolo Gazzarrini**, P.E., D.G.E., *Sea To Sky Geotech Inc.,* [paolo@paologaz.com](mailto:paolo@paologaz.com)

#### For Conference Information:

**Mary Ellen Bruce Large**, P.E., D.G.E.,  
*DFI Director of Technical Activities,*  
[melarge@dfi.org](mailto:melarge@dfi.org)

### Program Overview and Conference Highlights

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

### Revised Important Dates

Abstracts Due.....	October 30, 2020
Decision on Abstracts.....	November 6, 2020
Draft Papers Due.....	February 26, 2021
Decisions on Draft Papers.....	May 24, 2021
Revised Papers Due.....	June 28, 2021
Final Decision on Papers and Presentations.....	August 6, 2021
Final PowerPoint Due.....	January 28, 2022

# Call for Abstracts for Technical Papers and Panel Sessions

Submit abstracts at [www.dfi.org/Grout2022](http://www.dfi.org/Grout2022)

Call for Abstracts Opens: Monday, February 10, 2020

**ABSTRACT DEADLINE: Extended to October 30, 2020**

Please submit abstracts (300 words or less) for original technical papers and panel sessions for the 6<sup>th</sup> International Conference on Grouting and Deep Mixing no later than **Friday, October 30**. 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](http://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

Submit your abstract at [www.dfi.org/Grout2022](http://www.dfi.org/Grout2022)