

Conference Preview and Call for Abstracts



GROUTING 2017

Grouting, Deep Mixing, and Diaphragm Walls

Honolulu, Oahu, Hawaii USA | July 9–12, 2017

5th International Grouting Conference

ABOUT OAHU

Sometimes called “The Gathering Place,” Oahu certainly lives up to its name. The third largest Hawaiian island is home to the majority of Hawaii’s diverse population, a fusion of east and west cultures rooted in the values and traditions of the Native Hawaiian people. It’s this fundamental contrast between the ancient and the modern that makes discovering Oahu so enjoyable.

The clear blue waters of [Kailua Beach](#) meet the metropolitan cityscapes of [Honolulu](#). The historic architecture of [Iolani Palace](#) meets the timeless memorials of [Pearl Harbor](#). The big city of [Waikiki](#) meets the small town of [Haleiwa](#) on the [North Shore](#). Whether you’re [hiking](#) atop iconic [Leahi \(Diamond Head\)](#), enjoying some of Hawaii’s best [shopping](#), or simply unwinding on the sands of the island’s beautiful [beaches](#), you’ll find variety at every turn on Oahu.



Hawaii Tourism Authority (HTA) / Tor Johnson

PLAN ON BEING PART OF GROUTING 2017!

The Grouting Technical Committee of the Geo-Institute (G-I) of the American Society of Civil Engineers (ASCE) and the International Conference Organization for Grouting (ICOG) are organizing the 5th International Grouting Conference. This conference will focus on new technologies and current practice related to Grouting, Deep Mixing and Diaphragm Walls.

Since 1982, international grouting conferences have been held every ten years in New Orleans. At the last conference in 2012, there was general agreement that the ten-year interval was too long. In that time, there had been more innovative advances in the engineering and practice of grouting applications than could be adequately explored at any one conference, and the industry needed—and deserved—a shorter interval. So that ten-year interval has now been reduced to five.

In 2012, four keynote lectures and 182 papers were presented for an audience of more than 800 delegates. The 2017 conference will provide in-depth treatment of the subject technologies including exhibits, sessions, and short courses on jet grouting, compaction grouting, deep mixing, and diaphragm walls.

GDMDW 2017 will give you a fantastic opportunity to update and expand your technical knowledge while exploring the vibrant beauty of Hawaii with friends and family.

Sheraton Waikiki | Honolulu, Oahu, Hawaii USA

Mark your calendars and submit your abstract now!

You are invited...

...to submit an abstract to any of the technical topics listed in this document. Abstracts without all the details requested below may not be considered:

- Abstracts must be between 300 to 500 words.
- Abstracts must identify the name of the topic to which the paper is being submitted.
- Abstracts must include the full formal names, credentials, affiliations and email addresses for all authors.
- The corresponding author must be the author uploads the abstract and presents the final paper.
- Abstracts (and all details requested above) must be uploaded to the online MIRA Paper Submission System at:
<http://submissions.mirasmart.com/ASCE/Grouting2017/Login.asp>
- **Abstracts are due by May 20, 2016.**

GSP Submission Process and Deadlines (may be subject to change)

Phase One – Abstract Submission

- Authors submit abstracts (see guidelines above) for consideration by **May 20, 2016**.
- The Program Committee will review all abstracts and sort them into topic groups/sessions corresponding to the number of session spaces available in the hotel. Abstracts will be declined that do not fit the theme of the conference, are too commercial, or are unlikely to produce a quality paper.
- Notice of these decisions will be sent to the authors by **June 15, 2016**.
- The Program Committee will assign Chairs to the finalized sessions.

Phase Two – Draft Paper Submission

- Authors submit draft papers for consideration by **August 31, 2016**.
- Session Chairs will arrange for two peer reviews for each draft paper, and then, on the basis of those reviews and their own judgement, make decisions about whether or not to accept the draft paper. Papers will be declined for the same reasons as an abstract.
- Notice of these decisions, along with the two reviews (presented anonymously), will be sent to the authors by **November 15, 2016**.

Some conferences will also award presentation opportunities at this time, provided that the final paper is of an acceptable quality.

Phase Three – Final Paper Submission

- Authors submit final versions of their papers for consideration by **January 4, 2017**.
- Session Chairs will review the revised papers for compliance with review suggestions made during draft phase. Chairs will have the opportunity to request additional revisions from paper authors, and to re-review the results before the final decision is made.
- Notice of the final decision will be sent to the authors by **February 25, 2017**.
- Authors whose paper has been accepted for the Proceedings and awarded a presentation at the conference **MUST register for the conference by March 10, 2017** or their paper will be removed from the Proceedings.

Based on instructions from the Program Committee, Session Chairs may accept no more than a specific number of papers for oral podium presentation at the conference. Other papers in the session can be offered a poster presentation or declined. Depending on the conference, these presentation types may include: an oral podium presentation, a poster presentation, or an interactive presentation which combines the best of both. Generally, no more than six papers are presented at the podium during a 90-minute technical session.

Conference Proceedings

The Grouting 2017 conference Proceedings will be published as a Geotechnical Special Publication (GSP) of the Geo-Institute of ASCE. GSPs are the G-I's primary outlet for continuing the tradition of geotechnical knowledge transfer. They are recognized internationally as premier publications for geotechnical engineering and the geoprofession. GSPs originated with the proceedings of the first geotechnical specialty conference, on the Shear Strength of Cohesive Soils held in 1960, and the G-I has administered the publications ever since its formation in 1996.

A GSP is special because the content is subject to rigorous technical review during a three-phase submission process. Each paper must receive a minimum of two positive peer reviews before acceptance.

Papers published in a GSP are indexed in Civil Engineering Database, Google Scholar, and others.

QUESTIONS?

Contact:

Regarding Abstract Submission:

- **Helen E. Cook**, (hcook@asce.org)

Regarding the technical program:

- **Donald A. Bruce**, Geosystems L.P. (dabruce@geosystemsbruce.com)
- **Allen Cadden**, Schnabel Engineering (ACADDEN@schnabel-eng.com)

For other general inquiries:

- **Michael J. Byle**, Tetra Tech EC (Michael.Byle@tetratech.com)
- **Paolo Gazzarrini**, Sea to Sky Geotech Inc. (paolo@paologaz.com)

Conference Topics

The G-I Grouting Technical Committee welcomes papers related to the following topics:

Grout Materials:

- Calcium Aluminate/Silicate Cements
- Sodium Silicate
- Hot Melts
- Foams
- Polyurethanes
- Acrylates
- Admixtures
- Ultrafines

Properties of Grouted Materials:

- Chemically Grouted Soils and Rock
- Compaction Grouted Soils
- Soil-Cement / Soilcrete
- Strength and Permeability of Grouted Rock
- Strength and Permeability of Grouted Soil

Verification and Monitoring of Grouting, Diaphragm Walls, and Deep Mixing:

- Geophysical Methods of Verification
- Demonstration Sites: Summary and Findings
- Innovations and Developments in Verification
- Measurement While Drilling
- Sampling and Testing Techniques
- Automation and Digital Controls
- Real-Time Monitoring

Techniques Equipment

- Drilling for Grouting and Ground Treatment
- Auger Drilling
- Vertical Mills
- Panel Excavation
- Continuous Trenching Techniques

Innovations and Developments in Ground Treatment Technology

- Permeation Grouting
- Compaction Grouting
- Compensation Grouting
- Jet Grouting
- Deep Mixing
- Pumping and Injection Equipment and Methods
- Diaphragm Wall Construction

Grouting for Seismic Retrofit and Remediation

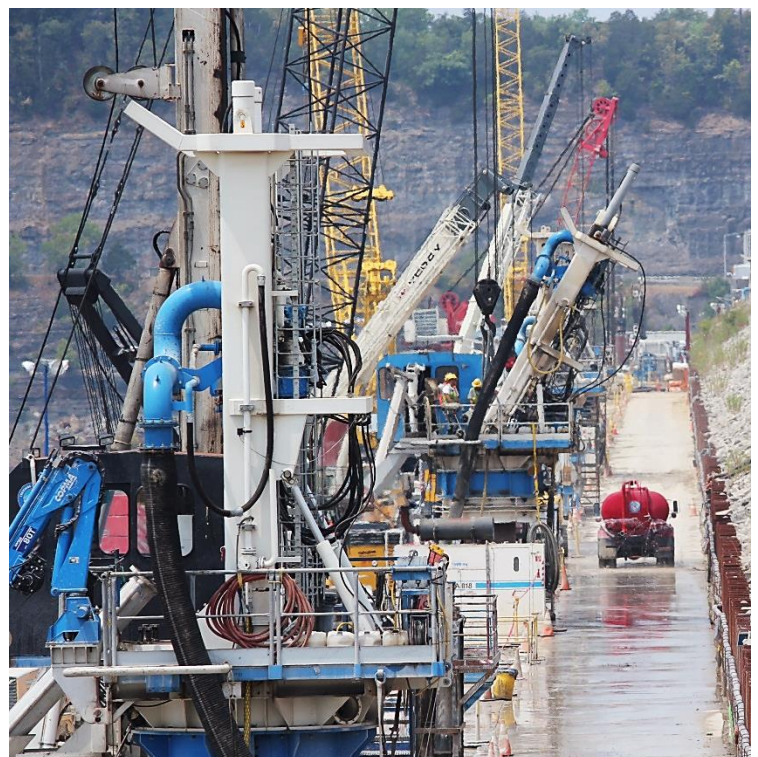
Case Studies in Applications of Grouting and Deep Mixing:

- Dams
- Mines
- Sealing Pipes
- Tunnels
- Ground Treatment (permeability reduction, settlement control, seismic retrofit, structural support)
- Containment
- Grouting of Major Civil Structures
- Environmental Applications
- Grouting for Deep Foundations
- Grouting for Tiebacks
- Grouting for Micropiles

PROGRAM OVERVIEW

A number of activities are envisioned for the Grouting 2017 program, including:

- Keynotes/state-of-the-art/state-of-the-practice lectures
- Panel discussions
- Technical sessions
- Short courses
- Exhibitors
- Social and networking opportunities



Conference Program and Technical Committees

GROUTING 2017 PROGRAM COMMITTEE

- **Conference Chair:** **Michael J. Byle**, P.E., D.GE, F.ASCE, *Tetra Tech, Inc.*
- **Conference Co-Chair and Sponsorship & Exhibits Chair:** **Paolo Gazzarrini**, P.Eng, M.ASCE, *Sea to Sky Geotech Inc.*
- **Conference Co-Chair and Technical Program Chair:** **Donald A. Bruce**, Ph.D., C.Eng., D.GE, M.ASCE, *Geosystems L.P.*
- **Conference Co-Chair and Technical Program Vice-Chair:** **Allen Cadden**, P.E., D.GE, F.ASCE, *Schnabel Engineering*
- **Conference Co-Chair and Student and Young Professionals Participation Chair:** **Chadi El Mohtar**, Ph.D., A.M.ASCE, *University of Texas at Austin*
- **Conference Co-Chair:** **Lawrence F. Johnsen**, P.E., D.GE, M.ASCE, *GZA GeoEnvironmental*
- **Local Geotechnical Chair:** **Xiaobin "Tim" Lin**, P.E., M.ASCE, *GeoLab*
- **Samson W. Bandimere**, Aff.M.ASCE, *Bandimere Grouting Consulting Services*
- **Daniel Bole**, A.M.ASCE, *Hayward Baker, Inc.*
- **George K. Burke**, P.E., D.GE, M.ASCE, *Hayward Baker, Inc.*
- **Francis B. Gularte**, M.ASCE, *Hayward Baker, Inc.*
- **Joe Harris**, Aff.M.ASCE, *Hayward Baker, Inc.*
- **Reyn Shyo Hashiro**, P.E., M.ASCE, *Yogi Kwong Engineering LLC*
- **Steve C. Maranowski**, A.M.ASCE, *Spartan Specialties Ltd.*
- **Justice Maswoswe**, Ph.D., P.E., *FHWA Resource Center*
- **Michael J. Miluski**, P.E., M.ASCE, *Compaction Grouting Services Inc.*
- **Thomas D. Richards, Jr.**, P.E., D.GE, M.ASCE, *Nicholson Construction*
- **Cumaraswamy "Vipu" Vipulanandan**, Ph.D., P.E., *University of Houston*
- **James Warner**, F.ASCE, *Independent Consultant*

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

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| • ARGENTINA | • JAPAN |
| • AUSTRALIA | • LEBANON |
| • AUSTRIA | • MOROCCO |
| • BRASIL | • POLAND |
| • CANADA | • SOUTH AFRICA |
| • CHINA | • SWEDEN |
| • FINLAND | • SWITZERLAND |
| • GERMANY | • TAIWAN |
| • GREECE | • THAILAND |
| • HONG KONG | • TURKEY |
| • INDIA | • U.K. |
| • ITALY | • U.S.A. |



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