Deep Mixing 2020 – Best Practice and Legacy
Baltic Philharmonic’s Music and Congress Centre, Ołowianka Isle, Gdańsk, Poland

Call for Abstracts for Technical Papers
Abstract Deadline: Monday, June 24 2019

www.dfi.org/DM2020
Conference Theme

Leaders in the international deep mixing community are pleased to present this 7th conference in a series on deep mixing. For almost 25 years, this consortium of global practitioners has organized and presented these events to advance the use and performance of deep mixing internationally. The archives from conferences and symposia held in Japan (1996, 2002 and 2009), Sweden (1999 and 2005) and the United States (2015) contain a wealth of knowledge that charts the evolution of the understanding and application of soil mixing on-land and off-shore.

Deep mixing construction activity has increased markedly in many parts of the world, and the mixing technology has attained a permanent place in modern geotechnics, offering flexibility and competitive solutions of ground improvement and foundation engineering. Important advances in materials, equipment, process control, design, research and project delivery mechanisms have occurred since 2015. Deep Mixing 2020 will provide a forum for international exchange of this new information. In keeping with the focus of this series, the conference scope consists of deep mixing and mass mixing by mechanical means that may be assisted by fluid energy (hybrid mixing). The technical program will include presentations on all aspects of current soil mixing technology, including contemporary research and lessons learned, and will provide a forum for discussion with all stakeholders (authorities, clients, contractors, consultants, researchers, equipment manufacturers and binder suppliers). Deep Mixing 2020 will also focus on defining the future of deep mixing and transferring the charge of advancing the industry to the next generation of practitioners... passing the torch.

Program Overview

The conference will be structured around plenary sessions and concurrent breakout sessions to optimize benefits to all participants.

Morning plenary sessions will include comprehensive keynote lectures presented by invited renowned international deep mixing specialists. The lectures will overview practices and the diversity of soil mixing applications in leading markets, with a focus on regional differences, lessons learned and future trends. Lectures will be devoted to deep mixing design and contracting strategies, recent research and recommendations for soil mixed walls, liquefaction mitigation and environmental considerations. Plenary discussions will be held daily after the keynote lectures as forums for adding to the content and sharing ideas on how to advance practice.

Afternoon sessions will include two parallel workshops allowing a wider forum of presenters and participants a deeper dive into selected aspects of deep mixing, focusing on laboratory mixing and treated soil properties, mixing equipment and control of the installation process, analyses, modeling and design methods, observed field performance, quality control and quality assurance, and lessons learned.

At the end of each day, a plenary discussion will be held to recap and summarize workshop discussions.

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June 15
Exhibitor set-up
Welcome Reception & Exhibition

June 16
OPENING AND INTRODUCTION
KEYNOTE LECTURE 1
Networking Lecture
KEYNOTE LECTURE 2
KEYNOTE LECTURE 3
PLENARY DISCUSSION
Related to Lectures 1 to 3
Networking Lunch
WORKSHOP 1
Soil-mix Testing and Properties
WORKSHOP 2
Mixing Equipment and Technologies
Networking Break
PLENARY DISCUSSION Related to Workshops 1 and 2
Networking Reception

June 17
KEYNOTE LECTURE 4
Networking Lecture
KEYNOTE LECTURE 5
KEYNOTE LECTURE 6
KEYNOTE LECTURE 7
PLENARY DISCUSSION
Related to Lectures 4 to 7
Networking Lunch
WORKSHOP 3
Analysis and Design II
WORKSHOP 4
Field Performance and QC/QA
PLENARY DISCUSSION Related to Workshops 3 and 4

June 18
KEYNOTE LECTURE 8
Networking Lecture
WORKSHOP 5
Analysis and Design II
WORKSHOP 6
Case Histories and Lessons Learned
Networking Break
PLENARY DISCUSSION Related to Workshops 5 and 6
CLOSING SESSION
OPTIONAL PROGRAM
Gdańsk Old Town
A walking tour with a professional guide

Workshop topics may change depending on abstract submission.
Call for Abstracts

Abstracts for technical papers are invited addressing frontiers of soil mixing related to the following topics:

- Laboratory mixing and material testing
- Properties of treated soil materials (binders, durability, material models)
- Analyses and design procedures (methodology, modeling, recommendations, codes)
- Contracting strategy/specifications/practice
- Field testing and performance monitoring (measurements, long-term data)
- Mixing equipment and construction technologies
- Quality control and quality assurance
- Environmental mixing and related research
- Liquefaction mitigation with mixing (analyses, experience)
- Case histories with lessons learned

Papers selected for verbal presentation will be delivered in workshop-style sessions including dedicated time for discussion and sharing experience.

Parties interested in presenting and publishing a paper or presenting a panel discussion are invited to submit abstracts not more than 300 words to the conference online submission site at www.dfi.org/DM2020. Technical paper abstracts should clearly state the purpose and the conclusions of the full paper. Case histories should include a “lessons learned” component.

The abstract shall include the title of the paper, authors’ name(s), company name(s), postage address, email address, and telephone numbers. The abstract page shall be in English, maximum 1-page A4 (210 mm x 297 mm) with 25 mm margins on all sides, use Times New Roman, 11 pt. Paper format guidelines are available at www.dfi.org/DM2020.

Overtly commercial and/or promotional papers will not be accepted.

Questions regarding all submissions may be addressed to Angie Gibble at events@dfi.org.

Deadlines

- Monday, June 24, 2019 Abstracts
- Monday, July 22, 2019 Abstract Acceptance
- Monday, November 11, 2019 Draft Papers (10-page limit) and Exclusive Publishing Agreement
- Friday, January 31, 2020 Paper Review Comments and Decisions on Presentation Status (verbal/poster)
- Monday, March 30, 2020 Revised/Final Paper
- Monday, April 27, 2020 Final PowerPoint Presentation Files

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Exhibitor/Sponsorship Opportunities

The conference will feature an indoor exhibition with over 30 exhibit spaces. Various sponsorship packages will be available that include recognition on pre-conference promotional materials, additional attendee discounts, exhibition space and recognition at the conference and/or the associated events. More information including an exhibit layout and sponsorship options will be available at www.dfi.org/DM2020.

Social Program

Planned social activities include a Welcome Reception in the exhibit hall, Networking Reception and Conference Banquet.
Organizing Committee

Co-Chairs:
Michał Topolnicki, Prof., Ph.D., Keller Poland
George Filz, Prof., Ph.D., Virginia Tech, USA

Honorary Chair:
Masaaki Terashi, Ph.D., Consultant, Japan

Members:
Masaki Kitazume, Prof., Ph.D., Tokyo Institute of Technology, Japan
Stefan Larsson, Prof., Ph.D., KTH Royal Institute of Technology, Sweden
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Theresa Engler, Executive Director, Deep Foundations Institute, USA
Mary Ellen Large, P.E., D.GE, Director of Technical Activities, Deep Foundations Institute, USA
Lauren Nance, C.M.P., Senior Meetings & Events Specialist, Deep Foundations Institute, USA
Angie Gibble, Meetings & Events Specialist, Deep Foundations Institute, USA

International Advisory Committee

The organization of the conference is supported by a wide group of renowned professionals from all continents.

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