

June 15-18, 2020 | Gdańsk, Poland



# DEEP MIXING

CONFERENCE

## Deep Mixing 2020 – Best Practice and Legacy

Baltic Philharmonic's Music and Congress Centre, Ołowianka Isle, Gdańsk, Poland

### Call for Abstracts for Technical Papers

**New Deadline:  
Monday, July 15  
2019**



[www.dfi.org/DM2020](http://www.dfi.org/DM2020)

## Conference Theme

Leaders in the international deep mixing community are pleased to present this 7<sup>th</sup> 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	Tuesday, June 16	Wednesday, June 17	Thursday, June 18
	OPENING AND INTRODUCTION	KEYNOTE LECTURE 4	KEYNOTE LECTURE 8
	KEYNOTE LECTURE 1	KEYNOTE LECTURE 5	
	Networking Break	Networking Break	WORKSHOP 5 Analysis and Design II
	KEYNOTE LECTURE 2	KEYNOTE LECTURE 6	WORKSHOP 6 Case Histories and Lessons Learned
	KEYNOTE LECTURE 3	KEYNOTE LECTURE 7	Networking Break
	PLENARY DISCUSSION Related to Lectures 1 to 3	PLENARY DISCUSSION Related to Lectures 4 to 7	PLENARY DISCUSSION Related to Workshops 5 and 6
	Networking Lunch	Networking Lunch	CLOSING SESSION
Exhibitor set-up	WORKSHOP 1 Soil-mix Testing and Properties	WORKSHOP 3 Analysis and Design I	OPTIONAL PROGRAM  Gdańsk Old Town A walking tour with a professional guide
	WORKSHOP 2 Mixing Equipment and Technologies	WORKSHOP 4 Field Performance and QC/QA	
	Networking Break	Networking Break	
	PLENARY DISCUSSION Related to Workshops 1 and 2	PLENARY DISCUSSION Related to Workshops 3 and 4	
Welcome Reception & Exhibition	Networking Reception	BANQUET	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](http://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, e-mail 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](http://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](mailto:events@dfi.org).

## Deadlines

Monday, July 15, 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](http://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

Ignazio Paolo Marzano, Ph.D., Sapienza University of Rome, Italy

Nicolas Denies, Ph.D., BBRI-CSTC-WTCB Geotechnical Division, Belgium

Gianfranco Di Cicco, BAUER Foundation Corp.

Lech Bałachowski, Prof., Ph.D.,

Gdańsk University of Technology, Poland

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.



[www.dfi.org/DM2020](http://www.dfi.org/DM2020)



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