

# Deep Mixing 2020 - Best Practice and Legacy

Baltic Philharmonic's Music and Congress Centre, Ołowianka Isle



**Cooperating Organizations:** 













**Media Partner:** 



#### 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.

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 Deep Mixing 2015, held in San Francisco. Deep Mixing 2020 will provide a forum for international exchange of this new information. 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

Morning plenary sessions will include comprehensive keynote lectures presented by invited renowned international deep mixing specialists, and a special presentation on a current major deep mixing project in Hong Kong. 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, properties and testing of stabilised soil, recent research and recommendations for soil mixed walls, liquefaction mitigation and environmental considerations.

Afternoon sessions will include parallel workshops of presentations chosen from over 150 abstracts from 30+ countries, allowing a wider forum of presenters and a deeper dive for participants into selected aspects of deep mixing, focusing on material properties, field performance, mixing equipment and installation process, modeling and design methods, quality control and quality assurance, environmental soil mixing, and lessons learned.

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.

Final papers, which have undergone single-blind double peer reviews, will be provided to attendees through DFI's proceedings website.

## **Important Deadlines:**

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

### Conference Overview\*

DAY 1 - Tuesday, June 16	DAY 2 - Wednesday, June 17	DAY
OPENING AND INTRODUCTION	KEYNOTE LECTURE 4	KI
KEYNOTE LECTURE 1		
MAJOR DEEP MIXING PROJECT: Hong Kong Int'l Airport Case Study	KEYNOTE LECTURE 5	PL R
Networking Break	Networking Break	WORKSHOP 5A
KEYNOTE LECTURE 2	KEYNOTE LECTURE 6	Case Histories and Lessons
KEYNOTE LECTURE 3	KEYNOTE LECTURE 7	Learned
PLENARY DISCUSSION Related to Lectures 1 to 3	PLENARY DISCUSSION Related to Lectures 4 to 7	ı
Networking Lunch	Networking Lunch	PL Relate
SHOP 1A WORKSHOP 1B WORKSHOP 2		
terial Material Field	Field Analyses and Environmental OC/OA Mixing	
perties Properties Performance	Performance QC/QA Mixing	OI
Networking Break	Networking Break	
PLENARY DISCUSSION Related to Workshops 1 and 2A	PLENARY DISCUSSION Related to Workshops 2B, 3A and 4	,
Free Time	Free Time	All Networking
Networking Reception & Philharmonic Event	Conference Banquet	*Sch

DAY 3 - Thursday, June 18			
KEYNOTE LECTURE 8			
PLENARY DISCUSSION Related to Lecture 8			
WORKSHOP 5A Case Histories and Lessons Learned	WORKSHOP 5B Case Histories and Lessons Learned	WORKSHOP 3B Analyses and QC/QA	
Networking Break			
PLENARY DISCUSSION Related to Workshops 3B and 5			
CLOSING SESSION			
OPTIONAL PROGRAM			

Gdańsk Old Town Walking Tour

events take place in the Exhibit Area.

hedule subject to change.

## Gdańsk — City of Freedom

Situated between the sandy beaches of the Baltic coast and the green hills of the Kashubia region, Gdańsk, for centuries, was the biggest and wealthiest city in the Polish Commonwealth. It was also a member of the Hanseatic League, a group of Baltic and North Sea ports and mercantile centres operating from the Middle Ages. The beauty of the city can be admired as you stroll along the Royal Route from the Golden Gate, along Długa Street and the Long Market with its Fountain of Neptune, to the Green Gate, touring the interiors of the Main Town Hall and the Artus Court. Along Mariacka Street it seems that time stood still hundreds of years ago. St. Mary's Basilica is the world's largest brick church, with an 80-m tower offering a view of Gdańsk and the bay.

Gdańsk is a city with a rich and interesting history, documented since 997. Gdańsk is also where World War II began, and it is here that the Museum of the Second World War was built to memorialize this fact.

The legendary Gdańsk Shipyard was the site of strikes led by the charismatic electrician, the Nobel Peace Prize-winning former President of Poland, Lech Wałęsa. The strikes, which led to the creation of the Solidarity independent trade union, marked the beginning of the end of Communism in this part of Europe. The European Solidarity Centre, opened in 2014, is devoted to this part of the history.

In Gdańsk — the world's capital of amber — you can breathe in the scent of an amber forest, learn how the 'Baltic Gold' was formed millions of years ago, and examine old and new wonders



made from this unique material. It's worth checking out the Amber Museum, the only one of its kind in the world.

Gdańsk is also an important part of Poland's Tricity — a unique arrangement of three cities, each with an entirely distinct character. Together with Gdańsk there is Sopot (a thriving, elegant, seaside resort town) and Gdynia (a lively port city notable for its modernist buildings from the 1930s) that constitute this urban phenomenon with a population over a million.







## **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 preconference 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, are available at www.dfi.org/DM2020.

# **Social Program**

Planned social activities include Networking Meal Functions in Exhibit Area, a Philharmonic Event, a Conference Banquet with a special presentation on Gdańsk history, and an optional walking tour of Old Town.

#### **Hotel Accommodations**

Recommended hotels will be listed on the registration site.

## **Organizing Committee**

#### Co-Chairs:

Michał Topolnicki, Prof., Ph.D., Keller, Poland George Filz, Prof., Ph.D., Virginia Tech, USA

#### **Honorary Chair:**

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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**

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# **Cooperating Organizations:**

Technical Committee 211 of the ISSMGE

Soil Improvement Committee of ASCE Geo-Institute

**European Federation of Foundation Contractors** 

Polish Federation of Foundation Contractors

Polish Geotechnical Committee

Gdańsk University of Technology, Dept. of Geotechnics, Geology and Marine Engineering

#### Media Partner:

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