Deep foundations Institute in collaboration with Indian Institute of Technology Madras, Chennai and Indian Geotechnical Society Chennai chapter presents

10th Anniversary Conference on

Deep Foundation Technologies for Infrastructure Development in India
Virtual Precursor to the Main Event in November 2021

www.dfi.org/India2020

Registration, Technical Programme, and Sponsorship Opportunities

Register at www.dfi.org/India2020
Indian has to equip herself to face the increasingly challenging geotechnical and structural demands for the infrastructure developments embracing advanced cutting edge technologies and risk management tools. Join us for the two-day precursor conference to the 10th Anniversary Conference on Deep Foundation Technologies for Infrastructure Development in India, to be held virtually during November 19-20, 2020. The Conference will provide a forum for a wide range of geoprofessionals to present, discuss and debate many aspects of the latest deep foundation technologies appropriate for the faster development, expansion and improvement of India’s critical infrastructure.

DFII 10th Anniversary Conference will be held in three parts to make it unique, purposeful and impactful to all the stakeholders in these difficult times:

1. Conference in the regular format will be held during Nov ’21 at IIT Madras where distinguished key speakers and all other speakers can make an in-person presentation. The authors of the selected abstracts are being requested to submit the full-length papers, and the accepted papers for DFI India 2020 will be carried forward for the 2021 event.

2. As a precursor to the main event, a two-day virtual conference will be held on 19th and 20th Nov’20. This conference will offer keynote presentations by international experts and some presentations selected from the contributory papers. There will be a panel discussion session during this two-day programme.

3. Three webinar programs are scheduled during August to October 2020, comprising presentations from the global best foundation industry practitioners covering selected topics.

The November 2021 conference will focus on these topics,
- Improving Current Practice with Case Studies
- Developments in Safe and Efficient Geo-Construction
- Advances in Deep Foundations, Earth Retention Systems and Ground Improvement
- Geotechnical Investigation, Testing, Quality Management and Numerical Methods

In addition to showcasing several DFI of India initiatives in the fields of new technology applications and skill development, this conference will provide an interesting program for aspiring students to align their actions to become future leaders.

Questions?
Contact mma@dfi-india.org

Contact Information

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Dr. Seethapathy Nagar, Velacherry
Chennai – 600 042, Tamil Nadu, India
Technical Program

Our two-day virtual conference on 19th and 20th November ’20 will offer keynote presentations by international experts and some presentations selected from the contributory papers. There will be a panel discussion session during this two-day programme.

Three webinar programs during August to October ’20, comprising presentations from the global best foundation industry practitioners covering selected topics.

Webinar Series
(FREE when you register for the Virtual 2020 India Conference)
Thursday, 20 August 2020, 4:30 PM to 6:00 PM IST
Speaker: Dr. Amy Cerato, University of Oklahoma
Title: Dynamic and Cyclic Applications of Grouped Helical Piles

Thursday, 17 September 2020, 4:30 PM to 6:00 PM IST
Speakers: Dr. Karsten Beckhaus (BAUER Spezialtiefbau GmbH), Mr. Christophe Justino (Soletanche Bachy), and Mr. Peter Faust (Malcolm Drilling)
Title: EFFC-DFI Guides to Tremie Concrete and Support Fluids for Deep Foundations.

Thursday, 22 October 2020, 4:30 PM to 6:00 PM IST
Speaker: Dr. Nicolas Denies and Prof. Noel Huybrechts, The Chair and Secretary of ISSMGE’s TC211, Belgian Building Research Institute (BBRI)
Title: Deep Mixing Equipment and Field of Applications of the Deep Mixing Method

Virtual Day 1 (included in the registration)
Thursday, 19 November 2020 3:00 PM to 7:15 PM IST

Inauguration
An overview of 10th Anniversary Conference in November ’21

Sponsor Promotional Videos

Keynote 1 - Mr. Maurice Bottiau, Franki Foundations
Topic to be decided
Q/A for Keynote 1

Paper Presentation
Sponsor Promotional Videos
Break - DFI Promotional Material and Technical Videos

Keynote 2 - Dr. Antonio Marinucci, Advanced Foundation Solutions LLC
Recent Advancements to Enhance Performance and Reduce Risks in Deep Foundations and Ground Improvement
Q/A for Keynote 2 Paper Presentations
Panel Discussion on CFA Piles - A System Changeover and Risk Assessment & Mitigation

Closing of Day 1

Virtual Day 2 (included in the registration)
Friday, 20 November 2020 9:00 AM to 1:15 PM IST

Recap of the First day

Sponsor Promotional Videos

Special Presentation - Mary Ellen
Director of Technical Activities, DFI USA

Non-profit Profits
Launch of ‘Groundwork’ DFI India students outreach initiative

Keynote 3 - Conrad Felice Ph.D., P.E., P.Eng., D. GE., F. ASCE, Owner and Managing Principal at C. W. Felice, LLC
Overview of the Use of Geotechnical Baseline Reports
Q/A for Keynote 3
Paper Presentations
Sponsor Promotional Videos
Break - DFI Promotional Material and Technical Videos

Keynote 4 - Prof. Harry G Poulos,
Emeritus Professor of Civil Engineering, Sydney University
Applications of piling to infrastructure development

Closing Session

* Conference Schedule and Technical Program
Subject to Change
Visit www.dfi.org/India2020 regularly for more details and updates

Panel discussion during DFI India 2019, NAC Hyderabad
Thursday, 20 August 2020, 4:30 PM to 6:00 PM IST
Speaker: Dr. Amy Cerato, University of Oklahoma
Title: Dynamic and Cyclic Applications of Grouped Helical Piles
Helical piles have been used in seismic zones throughout the world for over half a century, and in specific countries, namely New Zealand and Japan, their use is well accepted and well codified, even in highly liquefiable areas. This presentation will focus specifically on grouped helical pile damping characteristics in both small and large shakes, the influence of frequency and slenderness ratio on damping and the difference in behavior of the pile-structure connections.

Thursday, 17 September 2020, 4:30 PM to 6:00 PM IST
Speakers: Dr. Karsten Beckhaus (BAUER Spezialtiefbau GmbH), Mr. Christophe Justino (Soletanche Bachy), and Mr. Peter Faust (Malcolm Drilling)
Title: EFFC-DFI Guides to Tremie Concrete, Support Fluids and Platforms for Deep Foundations.
This webinar will comprise two 30-minute presentations on the European Federation of Foundation Contractors (EFFC) and DFI working group projects on the recent collaboration and development of design guidance for tremie concrete and support fluids for deep foundations. The presentation will highlight the joint society working group activities and partnership involved in developing the internationally-accepted, industry-driven guidance and provide an overview of the guidance documents. The tremie guide provides information on the performance, mix design process, and methods used to test fresh concrete and support fluids. The tremie guide addresses concrete rheology, mix design, reinforcement detailing, concrete cover, and good practice rules for placement and testing of fresh concrete. The support fluid guide overviews the current understanding on bentonite, other clays, polymers and blended systems, including the advantages and limitations to allow informed selection of the optimum technical solutions.

Thursday, 22 October 2020, 4:30 PM to 6:00 PM IST
Speaker: Dr. Nicolas Denies and Prof. Noel Huybrechts, The Chair and Secretary of ISSMGE’s TC211, Belgian Building Research Institute (BBRI)
Title: Deep Mixing Equipment and Field of Applications of the Deep Mixing Method
The Chair and Secretary of ISSMGE’s TC211 Committee on Ground Improvement will provide an overview of the various deep mixing methods (DMM) used to perform soil-cement columns, soil mix panels, soil mix trenches and mass stabilization. Various ground improvement patterns that can be created with DMM will be discussed and typical applications will be presented, including soil reinforcement as an alternative to pile groups, retaining walls, cut-off walls, dike reinforcement, in situ remediation, liquefaction risk mitigation, and underpinning. Literature references for each system and application will be provided.

Thursday, 19 November 2020 During virtual conference time between 3:00 PM to 7:15 PM IST
Keynote 1 - Mr. Maurice Bottiau, Franki Foundations
Title: Recent Advances in the Understanding of Augercast Piles and Displacement Augercast Piles and Impact on their Design.
Keynote 2 - Dr. Antonio Marinucci, Advanced Foundation Solutions LLC
Title: Recent Advancements to Enhance Performance and Reduce Risks in Deep Foundations and Ground Improvement
This lecture will present advancements that enhance performance and reduce risk in deep foundations and ground improvement. The presentation will include a discussion of various techniques, devices, and/or approaches and practical applications, installation details, and select test results and observations. Smart Cell (post grouting device), Expander Body (grouted foundation element), Super Cell (bi-directional static load testing device) and EQ-drains (in situ vertical drains) will be discussed.

Friday, 20 November 2020 During virtual conference time between 9:00 AM to 1:15 PM IST
Keynote 3: Conrad Felice, Ph.D., P.E., P.Eng., D. GE., F. ASCE, Owner and Managing Principal at C. W. Felice, LLC
Title: Overview of the Use of Geotechnical Baseline Reports
This presentation will provide an overview of the development and application of Geotechnical Baseline Reports (GBRs) as a contract document to identify, allocate, and manage subsurface project risks. Ground related risks continue to dominate claims, cost escalation, and schedule delays on projects regardless of the contract delivery system. GBRs are an evolving approach to provide a contractual basis for the allocation of risk by defining site conditions that should be anticipated and included within the contractual obligations and cost for executing a project.
Keynote 4- Prof. Harry G Poulos, Emeritus Professor of Civil Engineering, Sydney University
‘Applications of piling to infrastructure development’
This presentation will discuss a number of infrastructure applications of piles and piling, including piles for pavement support, piles for embankment support, and piles for slope stabilization. In each case, some of the key design issues are outlined, and some aspects of pile behaviour are described. Design methods are then recommended and design charts are presented. Some relevant case histories are also discussed.
Gain exposure for your company before and after the conference by taking advantage of sponsorship opportunities. Doing so demonstrates your support for DFI of India, commitment to knowledge and leadership in the industry.

### Sponsorship Opportunities

Register early to get promotional slots and logo display during pre-conference webinars.

**Platinum Sponsor**

- **INR 3,00,000**
- 5 Delegate Registrations
- Class IV Corporate Membership with relevant benefits until Dec 2021.
- 5 more delegates for existing corporate members (any class)^

**Diamond Sponsor**

- **INR 2,00,000**
- 5 Delegate Registrations
- Class III Corporate Membership with relevant benefits until Dec 2021.
- 4 more delegates for existing corporate members (any class)^

**Gold Sponsor**

- **INR 1,75,000**
- 5 Delegate Registrations
- Class II Corporate Membership with relevant benefits until Dec 2021.
- 3 more delegates for existing corporate members (any class)^

**Silver Sponsor**

- **INR 1,25,000**
- 5 Delegate Registrations
- Class I & affiliate - 4 delegates* 4,800
- Class I Corporate Membership with relevant benefits until Dec 2021.
- 2 more delegates for existing corporate members (any class)^

**Bronze Sponsor**

- **INR 1,00,000**
- 5 Delegate Registrations
- 5 more delegates for existing corporate members (any class)^

^Additional benefits:
- 30 Seconds time slot for your Organization’s Promotional Video, One Promotional Slide between the Presentations, Logo and listing on the website. Full page advertisement in the conference souvenir (digital).

**Promotional video**

- **INR 25,000**
- One Delegate Registration, 30 Seconds time slot for your Organization’s Promotional Video, DFI Corresponding Membership for the attendee until Dec, 2021. Half page advertisement in the conference souvenir (digital).

**Promotional Slide**

- **INR 5,000**
- Logo Slide transition between each slots. Listing in the conference souvenir (digital).

### Group Registration Fee

#### DFI Corporate member Group Registrations

<table>
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<th>2-day Conference + 3 Webinars</th>
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<tr>
<td>Class IV - 16 delegates*</td>
<td>19,200</td>
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<tr>
<td>Class III - 12 delegates*</td>
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<td>Class II - 8 delegates*</td>
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<td>Class I &amp; affiliate - 4 delegates*</td>
<td>4,800</td>
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(*Individual certificates will be issued to the attendees)

#### Non-member Group Registrations

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<th>2-day Conference + 3 Webinars</th>
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<tr>
<td>5 delegates*</td>
<td>20,000</td>
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(* 5 Delegates Registrations, DFI corresponding Membership until Dec, 2021 for the attendees. Please contact DFI office for registering more delegates)

### Logo Submission Information

Upload your logo with your sponsorship commitment when you register or email it to dfiindiaoffice@gmail.com. Please send logos immediately upon securing your sponsorship. Early submissions will maximize marketing exposure for your company. Late submissions may not guarantee logo placement.

**High quality advertisement material (A4 size portrait or A5 size landscape) shall be made available to DFI of India office at dfiindiaoffice@gmail.com before 10 November’20.**

### Souvenir Book

A commemorative Souvenir Book will be provided to conference delegates containing the conference information, DFI goals and other useful information to foundation engineering professionals.

Register at

**www.dfi.org/India2020 before November 14, 2020**