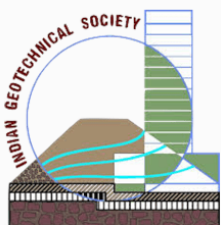


Organised by



Delhi Chapter



Speakers



Dr. J T Shahu



Mr. Andres M. Baquerizo



Dr. Sunil S. Basarkar

\* Workshop Schedule  
Subject to Change

## IGS (Delhi Chapter) & DFI India

Organise Online Workshop on

# Continuous Flight Auger (CFA) Piles – Theory, Prospects & Application in India

### About the Program:

The Government of India has announced plans to invest around INR 10 million crores in infrastructure projects in the next five years. Most of the infrastructure development involves the creation of the physical infrastructure, which means a great scope for the Civil Engineering and Construction industry. The global experience suggests that the construction projects that do not complete the foundations on schedule end up in major cost escalations and timed delays.

A speedy and safe foundation construction needs advanced technologies and modern equipment other than those being now practised or used in India. Often, economical foundation systems being practised outside India using modern equipment and technologies are not encouraged here for want of a specified design and construction practice suiting to India. **Continuous Flight Auger (CFA) Pile Technology** is one of such foundation systems that has a great potential to improve the speed of foundation construction in India.

This workshop is part of dissemination efforts and will help in understanding how CFA piling technology can be a game changer in Indian piling industry, and how it can be implemented in India.

Registration is free, Register Here: <https://bit.ly/3t3kbPm>

### Schedule\*:

Date & Time: 17 March 2021, Wednesday at 4:30 pm - 7:00 pm IST

Time (IST)	Session	Speaker/Panelists
16:30 - 16:35	Introduction to the Workshop	Ms. Aarti Bhargava, AIMIL Ltd., Chair, IGS (DC)
16:35 - 16:45	About IGS Delhi Chapter	Ms. Aarti Bhargava, AIMIL Ltd., Chair, IGS (DC)
16:45 - 16:55	Overview of DFI India activities	Mr. G. V. Prasad, Director (Operations), DFI India
16:55 - 17:25	<i>Pile foundation: Difficulties in Alluvial Soils and possible way forward</i>	Dr. J. T. Shahu, IIT Delhi & Hon. Secretary, IGS Delhi
17:25 - 17:35	Q&A Session	Dr. Shahu & Dr. B. Manna
17:35 - 18:05	<i>World Case studies on CFA piles, from a typical project to an extreme application</i>	Mr. Andres M. Baquerizo, Vice-President, Keller - North America
18:05 - 18:15	Q&A Session	Mr. Andres & Dr. B. Manna
18:15 - 18:45	<i>CFA Piles: Design approaches, Suitability and Applications in India</i>	Dr. Sunil S. Basarkar, Afcons & Chair, DFII's CFA Pile Technology Implementation Committee
18:45 - 18:55	Q&A Session	Dr. Basarkar & Dr. B. Manna
18:55 - 19:00	Concluding Remarks	Dr. B. Manna, IIT Delhi

For any enquiry kindly contact: Pranav at (+91) 9182452620 or activities@dfi-india.org

**Dr. J. T. Shahu** received his M.Tech. and Ph.D. degrees from IIT Kanpur, India in 1988 and 1994, respectively. He did his post doctoral research at Institute of Lowland Technology, Japan from 1996-99 and again visited Japan in 2006-2007 as Visiting Professor. Dr. Shahu joined IIT Delhi in 2002 as Assistant Professor. Since 2012, he is Professor at IIT Delhi. His main research interests are Transportation Geotechnics, Ground improvement, Geosynthetic applications and Foundations. He has more than 50 papers in International Journals and 100 papers in Conferences. He has also co-edited Six books. He has supervised 52 M.Tech. and 10 Ph.D. theses. He has completed 11 sponsored research projects and more than 100 consultancy projects till date. Dr. Shahu is an editorial board member of the Indian Geotechnical Journal, Transportation Geotechnics (UK), Royal Society Open Science (UK), and Lowland Technology International Journal (Japan). He was the Chairman of IGS Delhi Chapter from 2015-17 and is the honorary secretary of Indian Geotechnical Society since 2017.

**Mr. Andres M. Baquerizo** is a Global Product Leader and the Vice President for Keller - North America. He is a licensed professional engineer in the state of Florida, USA and Colombia, South America with more than 1200 projects and 25 years of design-build experience. In 2011 he was named ASCE Miami-Dade Engineer. In 2019 Mr. Andres was awarded the ASCE National Roebling Award. He received his Bachelor's degree in civil engineering from Los Andes University located in Bogota, Colombia, and his Master's degree in civil engineering from Florida International University. From 1992 to 2001 he worked at his family design-build company Ivan Baquerizo & Company, with emphasis in consulting, successfully completing soccer stadiums, hospitals and governmental buildings across the nation of Colombia. In 2002, Mr. Andres joined HJ Foundation, raising through the ranks and becoming the Director of Engineering and Vice President. He successfully completed more than 1200 Projects including augered & displacement piling, Tangent Bearing Elements, vibro-compaction, excavation shoring and Bottom Plugs (Chemical, Soil Mix, Jet grout, Tremie Seals) across the nation. In 2020, HJ Foundation and several others like Bencor, Case Atlantic, Case Foundation, Hayward Baker, Keller Canada, McKinney Drilling and Moretrench have joined together and rebranded to Keller North America. Mr. Andres is an active member of various organizations including ASCE, DFI, FSEA; and maintains an active connection with the University of Miami and Florida International University through conferences at the Graduate level.

**Dr. Sunil S. Basarkar** is General Manager and Head of Geotechnical Engineering Department, Afcons Infrastructure Ltd, Mumbai. He graduated from NIT Rourkela and completed his masters from Pune University and earned a PhD on Pile Foundations from IIT Bombay. He has a total experience of about 17 years in the field and 16 years association with Academia in area of Geotechnical engineering. Dr. Basarkar has published more than 50 papers in various national & international conferences, and reputed journals. He is an Executive Committee member of DFI of India, and Chair of DFII CFA Pile Technology Implementation Committee. Dr. Basarkar is a nominated member from IGS for International Committee for Land Reclamation. He is also a fellow of Institution of Engineers (India), Indian Geotechnical Society, Institute of Bridge Engineering. Dr. Basarkar also serves as an Editor of DFI Journal (USA).

### Organising Team



**Ms. Aarti Bhargava**  
Senior General Manager,  
AIMIL Ltd.,  
Chair, IGS (Delhi Chapter)



**Mr. G Venkata Prasad**  
Director of Operations,  
DFI of India



**Dr. B Manna**  
Associate Professor,  
IIT Delhi,  
Co - Chair, IGS (Delhi Chapter)

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