



Indian Concrete Institute  
(Mumbai Centre)  
www.icimumbaicentre.org

IN ASSOCIATION  
WITH



IIT Bombay

# International Workshop on 3D Concrete Printing - Present & Future Prospects

**Date:** 1<sup>st</sup> -2<sup>nd</sup> March, 2024

**Venue:** Prof. B. Nag Auditorium, VMCC, IIT Bombay

**2 Day  
Workshop with  
Printing  
Demonstration**

HAD - Chandigarh (L&T)



"3D concrete printing is a process that fabricates building components or entire building by depositing concrete layer by layer using a 3D printer. Gantry based and robotic arm based 3D printers are the commonly used printers for extrusion based 3D concrete printing. 3D concrete printing eliminates the usage of formworks and improves the project productivity. One of the key advantages of 3D concrete printing in construction is the freedom it provides in design. Architects can craft intricate designs that would be challenging, costly or labor-intensive to achieve through conventional construction approaches."



## Key Features

-  Speed and Efficiency
-  Cost-effectiveness
-  Customization
-  Sustainability

## MARKET POTENTIAL

The global 3D printing construction market was valued at USD 3 million in 2019 & is projected to reach USD 1,575 million by 2024, growing at a CAGR 245.9% from 2019 to 2024. The market is growing due to the high demand from the building & infrastructure sectors.

Source: [www.marketsandmarkets.com](http://www.marketsandmarkets.com)

## 3D Concrete Printing in India

The role of 3D concrete printing in construction in India is evolving as the industry explores its capabilities. It can play a crucial role in infrastructure development, disaster relief, & meeting the diverse construction needs across the country. Collaboration between government bodies, construction firms, & technology providers will be essential for its widespread adoption & integration into mainstream

## About Indian Concrete Institute Mumbai Centre

ICI Mumbai Centre has conducted various conferences on trending topics and advancements in concrete technology. Our topic focuses on the transformation of construction by incorporating 3D printing technology, with emphasis on its design, advantages, and applications.



HAD - Chandigarh (L&T)



Grasim Cements – Cheyyar (L&T)

## About IIT Bombay, Civil Engineering Department

Civil Engineering Department is one of the founding Departments of IIT Bombay since 1958, over the years, has grown tremendously, & is now recognized as one of the best & major Engineering Departments in the country. The recent QS world ranking 2023 shows the department's world ranking in between 51-100, with all India rank number ONE (1st), in the domain of Civil Engineering. With its multifaceted faculty members, it provides high quality teaching & research. The department has a strong focus in the research areas of Transportation Systems Engineering, Geotechnical Engineering, Water Resources Engineering, Structural Engineering, Ocean Engineering, Remote Sensing, & Construction Technology & Management. The Department has M.Tech. & Ph.D. programmes in all these areas of research along with its traditional B.Tech. programme in Civil Engineering. Department has 17 high end teaching & research laboratories in these areas. The Department is actively involved in basic & applied research & consultancy and provides high quality technical advisory support through various R & D projects & consultancy to various organizations. The Department disseminates the knowledge gained from its high quality research through training programs & interacts with world renowned personalities through workshops & conferences. The students & faculty members have won prestigious national & international awards & recognitions, and continue to bring laurels to the Department & the Institute.



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Dr. Vishal Thombare

Prof. Najeeb Shariff

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Er. Sanjay Almelkar

Er. Jitendra Pathak

## SPEAKERS



Dr. Ing. Freerk Bos,  
TUM School of Engineering  
& Design, Technische  
Universität, München



Prof Manish Kumar,  
IIT Gandhinagar



Prof Biranchi Panda,  
IIT Guwahati



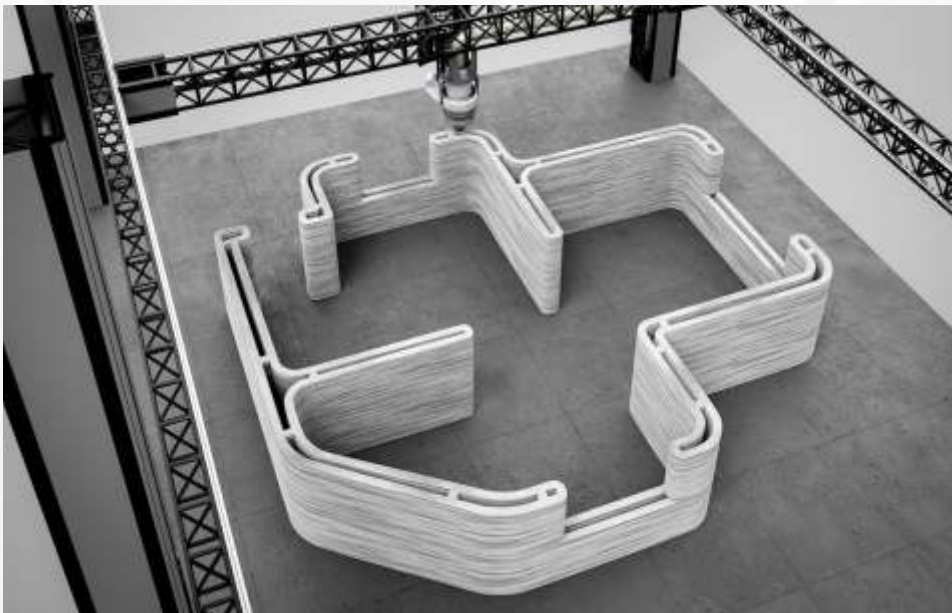
Prof. Najeeb Shariff,  
IIT Bombay



Prof. Prakash  
Nanthagopalan,  
IIT Bombay

## THEMES

- ✓ Concrete Ink
- ✓ Structural Design and behaviour
- ✓ Automation in construction
- ✓ Sustainability



## DIGITAL MEDIA PARTNER



Constrofacilitator  
Knowledge and b2b portal for  
construction and infrastructure

## PRINT MEDIA PARTNER

**NBM&CW**  
Infra Construction & Equipment Magazine

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Delegates (Non-Member): ₹5,750/- +18% GST PER MEMBER

Delegates (ICI, ACCE(I),  
ACI, IIBE, IIT Staff, ISSE  
& INSTRUCT): ₹4,500/- +18% GST PER MEMBER

Students: ₹3000/- +18% GST PER MEMBER

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Visit: [www.icimumbaicentre.org](http://www.icimumbaicentre.org)



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Social Media Branding	Y	Y	Y	Y	Y
Exhibition Stall at venue (3m x 3m)	Y	Y	Y	N	N
Standeers to be placed at strategic locations at venue (location to be decided by organizing committee)	6 Numbers	4 Numbers	3 Numbers	2 Numbers	1 Number
Presentation Slot	10 min	7 min	5 min	N	N
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Material inserts in Conference Kit	Y	Y	Y	Y	Y
Print Advertisement in Souvenir/ proceedings	Full page Back Cover (Color)	Full Page Front Inside / Back Inside (Color)	Full Page (Color)	Half Page (Color)	Half Page (Color)
Complimentary registration of delegates	10	7	5	3	2

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₹75000/- +18% GST

Advertisement - Full Page  
₹20000/- +18% GST

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₹14000/- +18% GST

# DELEGATE REGISTRATION FORM

## 2 DAY WORKSHOP WITH PRINTING DEMONSTRATION International Workshop on 3D Concrete Printing – Present & Future Prospects

Date: 1<sup>st</sup> & 2<sup>nd</sup> Mar 2024 | Venue: Prof. B. Nag Auditorium, VMCC, IIT Bombay

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Students: ₹3000/- +18% GST PER MEMBER

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Please register the following persons as delegate:

Name:

Designation:

1 \_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

3 \_\_\_\_\_

\_\_\_\_\_

4 \_\_\_\_\_

\_\_\_\_\_

Cheque / DD No\* / NEFT: \_\_\_\_\_ Date: \_\_\_\_\_

For \_\_\_\_\_ (Rupees: \_\_\_\_\_)

\_\_\_\_\_ ) is enclosed  
towards Delegate Fee.

Name of the Organisation: \_\_\_\_\_ Address: \_\_\_\_\_

\_\_\_\_\_ Phone: \_\_\_\_\_

Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

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Candidates are required to fill the NEFT receipt as required by the Bank with beneficiary details as follows. Please enclose proof of transaction along with your registration form

Name of the Account : INDIAN CONCRETE INSTITUTE, MUMBAI CENTRE

Account Number : 026805007929 | IFSC Code : ICIC0000268

Payee Bank : ICICI Bank, Vedant Commercial Complex, Thane-Vartak Nagar  
Branch,

GSTIN : 33AAATI0256J1ZX

Contact: Dr. Vishal Thombare, thombarebmc@gmail.com | Sanjay Almelkar, sanjay.almelkar@gmail.com  
Jitendra Pathak, jeetendra\_pathak79@yahoo.com

Name of Company and Designation

\*Cheque / DD should be drawn in favour of 'INDIAN CONCRETE INSTITUTE, MUMBAI CENTRE' payable at MUMBAI