



DEPARTMENT OF CIVIL  
ENGINEERING  
IIT BOMBAY



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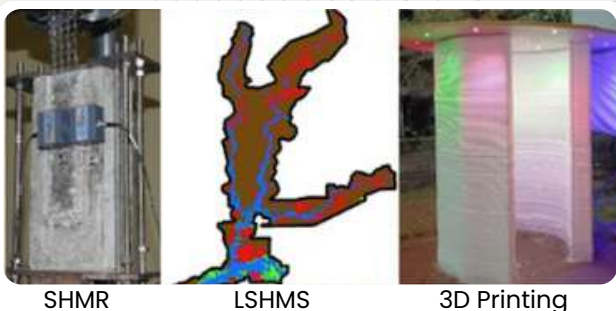
CE, IIT BOMBAY INVITES YOU TO THE SYMPOSIUM AT TECHCONNECT 2024.

### The Symposium aims to:

- **Bridge Academia and Industry:** Facilitate collaboration to address real-world challenges.
- **Showcase Research Excellence:** Present innovative projects and sustainable practices.
- **Encourage Knowledge Exchange:** Foster dialogue on emerging trends and industry needs.
- **Inspire Partnerships:** Lay groundwork for long-term collaborations

### Opportunities:

- **Networking:** Connect with experts and professionals.
- **Access Innovation:** Learn about cutting-edge research and technologies.
- **Collaborate:** Explore partnerships and talent acquisition.
- **Stay Updated:** Gain insights into industry trends and practices.



SHMR

LSHMS

3D Printing

### EVENT DETAILS

1 1

**14:00 TO 17:00**  
**Seminar Room No. 02**  
**VMCC, IIT Bombay**

Time	Activity
14:00	Inauguration of the symposium.
<b>14:00 – 15:15   In-person Presentations</b>	
14:00	<i>Department Overview and Traffic control, safety, and management.</i> Prof. Tom V Mathew.
14:15	<i>Design and development of structures and systems against blast, impact and shock.</i> Prof. Manish Kumar
14:30	<i>Technology driven solutions for transportation infrastructure development.</i> Prof. Avijit Maji
14.45	<i>Modelling Human Behavior in Modern Urban Transport Systems to Design Effective Transport Policies.</i> Prof. Sangram Krishna Nirmale
15:00	<i>Phase Field Modelling in Mechanics and Multiphysics.</i> Prof. Tushar Kanti Mandal
<b>15:15 – 15:45   Poster presentations and Interactions</b>	
<i>Large-Scale Hydrological Modeling System (LSHMS): An Indigenous Software for Hydrological Predictions in Data-Scarce Regions.</i> Ekant Sarkar and Prof. Basudev Biswal.	
<i>3D Concrete Printing - An innovative construction technology.</i> R. Swami Ranga Reddy and Prof. M. N. Shariff	
<i>Damage Detection and Assessment in Advanced Composite Structures Using Ultrasonic Guided Wave Propagation.</i> Akshay P. Kalgutkar, B. Ramana Raja and Prof. Sauvik Banerjee	
<i>Vibration and Impedance Based Monitoring of Structures.</i> Mayank Kamal, Lukesh Parida, Prof. Sauvik Banerjee	
<i>Acoustic Emission-Based Structural Health Monitoring of Masonry and Concrete Structures Repaired with Textile Reinforced Matrix (TRM).</i> Nikhil Holsamudrkar, Prof. Sauvik Banerjee.	
<i>Phase Field Revolution in Mechanics and Multiphysics.</i> Prof. Tushar Kanti Mandal	
<b>15:45 – 17:00   Software demonstration, Lab visits, Networking</b>	
Software demonstration – <i>LSHMS</i> . Prof. Basudev Biswal and his team (Mr. Ekant).	
Visit to Concrete 3D printing Lab. Prof. Shariff and his team (Mr. Ranganreddy).	
Visit to SHMR Lab. Prof. Sauvik Banerjee and his team (Mr. Akshay).	

## Feedback and Future Engagements

We kindly request you to share your valuable feedback to help us improve future events. Please fill in the form by *scanning the QR code*.

