



TechConnect 2024 – Symposiums

Department of Civil Engineering (CE)

at

Indian Institute of Technology Bombay

(Organised by the Industrial Research and Consultancy Centre)

17th December 2024 – 14:00 hrs to 17:00 hrs

Room No. 32, Third Floor, VMCC

Time	Session	Speakers / Panellists/Moderator
14:00 hrs to 14:15 hrs	Department Overview and Traffic control, safety, and management	Prof. Tom V Mathew
14:15 hrs to 14:30 hrs	Design and development of structures and systems against blast, impact and shock	Prof. Manish Kumar
14:30 hrs to 14:45 hrs	Technology driven solutions for transportation infrastructure development	Prof. Avijit Maji
14:45 hrs to 15:00 hrs	Modelling Human Behavior in Modern Urban Transport Systems to Design Effective Transport Policies	Prof. Sangram Krishna Nirmale
15:00 hrs to 15:15 hrs	Phase Field Modelling in Mechanics and Multiphysics	Prof. Tushar Kanti Mandal
15:15 hrs to 15:45 hrs	Poster Presentations	
	Poster 1: "Large-Scale Hydrological Modeling System (LSHMS): An Indigenous Software for Hydrological Predictions in Data- Scarce Regions" by Prof. Basudev Biswal and his team.	

	<p>Poster 2: "3D Concrete Printing - An innovative construction technology" by R. Swami Ranga Reddy and Prof. M. N. Shariff</p> <p>Poster 3: "Damage Detection and Assessment in Advanced Composite Structures Using Ultrasonic Guided Wave Propagation" by Akshay P. Kalgutkar, B. Ramana Raja and Prof. Sauvik Banerjee</p> <p>Poster 4: "Vibration and Impedance Based Monitoring of Structures" by Mayank Kamal, Lukesh Parida, Prof. Sauvik Banerjee</p> <p>Poster 5: "Acoustic Emission-Based Structural Health Monitoring of Masonry and Concrete Structures Repaired with Textile Reinforced Matrix (TRM)" by Nikhil Holsamudrkar, Prof. Sauvik Banerjee</p> <p>Poster 6: "Phase Field Revolution in Mechanics and Multiphysics" by Prof. Tushar Kanti Mandal</p>
<p>16:00 hrs to 17:00 hrs</p>	<p>Software demonstration, Lab visits, Networking</p>
	<p>Software demonstration - LSHMS - by Prof. Basudev Biswal and his team.</p> <p>Visit of Concrete 3D printing Lab (HSL) - Prof. Shariff and his team</p> <p>Visit of SHMR Lab (in VMCC) - Prof. Suvik Banerjee and his team</p>