











## **SEC 2024**

# Pre-Conference Workshop on SUSTAINABLECONSTRUCTIONMATERIALS AND MANAGEMENT PRACTICES

### **Co-organised by**

CentreofExcellenceonTechnologiesforLow-CarbonandLean Construction (TLC2), IIT Madras &

Department of CivilEngineering, NIT Tiruchirappalli



11th December 2024



A2 Hall, NIT Tiruchirappalli, India

#### **About TLC2**

The Centre of Excellence on Technologies for Low-Carbon and Lean Construction (TLC2) at IIT Madras was established with a view towards addressing issues that would lead to the true adoption of the concepts of circular economy in construction with minimal impact on global climate change. The Centre is providing academic leadership in the areas of building science, construction materials, and construction management.

### **About the Workshop**

Sustainable construction materials and management practices pave the path to economic environmental, and social benefits through the appropriate and efficient use of resources minimization of waste, and adoption of lean construction practices. This pre-convention workshop co-sponsored by the Centre of Excellence on Technologies for Low-Carbon and Lean Construction (TLC2) at IIT Madras, explores the use of alternative and recycled materials and state-of-the-artechnologies and addresses the challenges and opportunities to embrace sustainable practices in the construction industry.

#### Who should attend?

- Structural designers & Consultants
- •Project/Construction managers, Builders & Site engineers
- •Civil Engineering Faculty & Full-time researchers/Scientists
- •Senior UG /PG students, Research scholars & Post-doc fellows

## **Registration and Contact Details**

#### **Coordinator**

Dr.PrabhaMohandoss9894575841, prabham@nitt.edu

#### **Treasurer**

Dr.SanthoshLoganathan
 9840068351, <u>lsanthosh@nitt.edu</u>

Registration link: Click here
Payment detail is available on the webpag



RegistrationFee (INR)	Earlybirdregistration before30 <sup>th</sup> Sep. 2024	Registration from 1stOct.2024-30 <sup>th</sup> Nov. 2024
Industry professionals /Scientists	3000	3500
Faculty members	2000	2500
Students	1000	1500

## **Themes and Speakers**



**Sustainability Assessment of Concrete Construction** Dr.RavindraGettu, V.S.RajuChairProfessor, IITMadras 9:30AM - 10:10AM



Dr. M Selvam, Assistant Professor, IIT Patna

10:10AM - 10:50AM



Tea Break: 10:50 AM - 11:05 AM



**Recycling of Returned Concrete using Concrete Additives** Dr.JayasreeChakkamalayath, ChiefTechnologyOfficer, IITM adras 11:10 AM - 11:40 AM

**Durable Repair Strategies for Extending the Service Life of Concrete Structures** 

> Dr. Radhakrishna Pillai, Professor, IIT Madras 11:40AM - 12:20PM



**ApplicationofGFRPbarsforCoastalResilientInfrastructure** Dr. Prabha Mohandoss, Assistant Professor, NITT ir uchirappalli 12:20PM - 1.00 PM

**Lunch Break: 1:00 PM - 2:00 PM** 

**Seismic Assessment of Heritage Structures** Dr. Tamali Bhowmik, Senior Scientific Officer, IIT Madras 2:00 PM - 2:40 PM





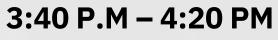
**ChallengesandOpportunitiesforEffectiveImplementationofLean Construction in India** 

Dr.SanthoshLoganathan, Assistant Professor, NIT Tiruchirappalli 2:40 PM - 3:20 PM

**Tea Break:3:20PM-3:40PM** 

Use of Contracts for Implementing Leanand Sustainable Practices in **ConstructionProjects.** 

Dr. Murali Jagannathan, Assistant Professor, IIT Madras





Dr. Ashwin Mahalingam, Professor, IIT Madras 4:20 PM - 5:00 PM

