



# Young Researchers' Symposium 2024

on

Technologies for Low-Carbon & Lean Construction



IIT  
Madras

January 27, 2025 (Monday) | (9 am to 5 pm IST) | @ Research Park, IIT Madras

<https://tlc2.iitm.ac.in/tlc2-events/yrs-2025/>

## ABOUT THE SYMPOSIUM:

This is a premium forum for young researchers to present advances and research results in the construction materials and management sector, especially related to Technologies for Low-Carbon and Lean Construction (TLC2). The symposium aims at engaging young researchers to (i) connect and interact with peers and experts working in the same domain, (ii) showcase their research and get exposed to state of the art on different aspects of construction materials and management, both theoretical and applied, and (iii) get guidance from the renowned experts working on low carbon lean construction technologies.

## ELIGIBILITY:

Participants should be senior Ph.D. students (in the final year of their thesis work) who have completed their qualifying/comprehensive exam, submitted research proposal, or recent PhD graduates who have defended their thesis in 2024. The **shortlisted candidates (but not finalists)** of YRS 2024 are also encouraged to apply for the YRS 2025.

## DETAILS OF THE EVENT

- Submit an abstract (200 words) and a 5-minute video on the PhD thesis work by November 10, 2024.
- For submission [Click here](#); your submission will be evaluated and intimated if shortlisted.
- Best 10 symposium speakers will be selected based on the short videos and abstracts. The jury may decide to interview some candidates online before shortlisting.
- Each speaker will be given 15 minutes for the talk, followed by 15 minutes of discussion.
- A jury of international experts will evaluate the presentations and the best speaker will receive the **Prof. Surendra P. Shah Award on Technologies for Low-Carbon and Lean Construction - 2024**. The awardee will be given a slot at the **3<sup>rd</sup> International Workshop on Technologies for Low-Carbon and Lean Construction to be held at IIT Madras**, Chennai, during January 27 – 29, 2025.
- Travel grant of up to EUR 2000 (two thousand) could be available to selected speakers, on need basis (partial support towards the actual travel expenses).

## THEMES INCLUDE (but not restricted to...)

- Supplementary/alternative cementitious materials - hydration, fresh, durability, hardened properties
- Identification, processing, and valorization of waste for use in concrete construction
- Service life and life cycle assessment, sustainability and carbon footprint of construction industry
- An Integrated Test-Bed for large-scale processes and visualization
- Organizational and policy research for large-scale and accelerated construction technology
- Implementing lean techniques in construction projects - research on organizational and stakeholder-linked implementation challenges

## REGISTRATION

**Registration link will be updated soon.**

- If shortlisted, your fee will be waived.
- If not shortlisted, you can register as an attendee by making a payment of Rs. 1000/- (link will be provided later).
- Abstract submission is not required for registering as an attendee.

## CONTACTS:

Ms. Shefali Aggarwal ([shefaliagggarwal1512@gmail.com](mailto:shefaliagggarwal1512@gmail.com)), Ms. Mansi Thakur ([ce22d047@smail.iitm.ac.in](mailto:ce22d047@smail.iitm.ac.in)), Mr. Dipendra K. Das ([ce23d802@smail.iitm.ac.in](mailto:ce23d802@smail.iitm.ac.in)) and Ms. Neema Stephen Kahabi ([ce23d810@smail.iitm.ac.in](mailto:ce23d810@smail.iitm.ac.in)) (PhD students)

Department of Civil Engineering, IIT Madras, Chennai, India, Email: [btcmatiitm@gmail.com](mailto:btcmatiitm@gmail.com)