



PhD Symposium on Construction Materials

(Technologies for Low Carbon & Lean Construction)



September 24, 2021 (Friday) | (9:00 to 17:00, IST) | on Zoom platform

ABOUT THE SYMPOSIUM

This is a premium forum for young researchers to present advances and research results in the construction materials sector, especially related to Technologies for Low Carbon Lean Construction (TLC). The primary focus of a related initiative at IIT Madras (TLC) would be to undertake projects and related activities to minimize the waste in construction - in terms of materials and processes, and promote the possibility of suitably employing waste from other industries. The symposium aims at engaging young researchers (age < 35 years) to (i) connect and interact with others working in the same domain, (ii) showcase their research and get exposed to the state of the art on different aspects of construction materials, both theoretical and applied, and (iii) get guidance from renowned experts working on construction materials and their application.

WHO SHOULD ATTEND?

- Ph.D. Research Scholars and those graduated with a Ph.D. in 2021.

THEMES (the following and any topic associated with construction materials)

1. Material Processing and Characterization
2. Transport and Deterioration Mechanisms
3. Structural Performance and Design
4. Service Life and Environmental Impact Assessment
5. Masonry, Timber and Cultural Heritage
6. Bituminous Materials and Polymers

TENTATIVE SCHEDULE (in Indian Standard Time)

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| 09:00 to 09:05 | Welcome – Prof. Ravindra Gettu, President RILEM |
| 09:05 to 09:20 | About the Research Initiative on Technologies for Low Carbon Lean Construction (TLC) – Prof. Manu Santhanam, Head, Department of Civil Engng., IIT Madras. |
| 09:20 to 09:25 | Agenda – Dr. Surender Singh, Vice-chair, RILEM Youth Council (RYC) |
| 09:30 to 10:30 | Technical Session 1: Presentations by Ph.D. students, Followed by discussion among all participants |
| 10:30 to 11:00 | Break |
| 11:00 to 12:00 | Technical Session 2: Presentations by Ph.D. students, Followed by discussion among all participants |
| 12:00 to 13:00 | Q&A with mentors (Prof. Carmen Andrade, Prof. Liberato Ferrara and others) |
| 13:00 to 14:00 | Break |
| 14:00 to 15:00 | Technical Session 3: Presentations by Ph.D. students, Followed by discussion among all participants |
| 15:00 to 15:30 | Q&A with mentors (Prof. Mark Alexander, Prof Ravindra Gettu and others) |
| 15:30 to 17:00 | Presentation about RILEM South Asia – Dr. Radhakrishna G. Pillai Presentation about RILEM Youth Council – Ms. Joanitta Ndawula, Chair RYC Benefits of joining RILEM – Dr. Daniela Ciancio, RILEM Implementation Manager |

REGISTRATION

- Registration fee (including GST) of Rs. 250/- to be paid online; Certificate will be provided.
- Register at <https://icsrpis.iitm.ac.in/events/8952/ryms/> before **September 10th, 2021 (Friday)**.
- To pre-register as presenters, submit the abstract and pay the registration fee online. Each abstract will be reviewed, and the acceptance will be communicated by September 13th (Monday). Fees will be refunded to the speakers of accepted abstracts. Concurrence of the supervisor is mandatory for presentations by PhD students.
- To register as attendees, pay the registration fee and register online; Abstract submission is not required.

CONTACTS

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