



CARRS 2025

2nd International Conference on Condition Assessment, Rehabilitation and Retrofitting of Structures



11-13 December 2025 | Indian Institute of Technology Roorkee, INDIA

About the Conference

Rehabilitation and retrofitting play a crucial role in improving the health of a structure by ensuring its safety and functionality. A delay or an unscientific approach in tackling this issue can exacerbate the problem technically as well as economically. Towards this end, the International Conference on Condition Assessment, Rehabilitation & Retrofitting of Structures (CARRS) is designed to be a knowledge exchange platform and cater to the highly interdisciplinary area of condition assessment and strengthening of civil infrastructure. CARRS brings together the research community, practicing engineers, contractors, academicians, and government agencies to jointly discuss various aspects of rehabilitation and retrofitting.

About the venue

CARRS-2025 is being organized at the Indian Institute of Technology Roorkee, the oldest technical institute in Asia with an illustrious history of 175 years. The institute is among the foremost institutes of national importance in higher technological education and in engineering, basic and applied research. Located on the banks of the Ganges canal on the NH 334, the city is well connected by road, rail and air. The nearest airports at Dehradun, Chandigarh and Delhi are 1, 3 and 4 hours of drive away respectively.

Conference themes

Condition Assessment of Structures

- Non-Destructive Testing (NDT) Methods
- Structural Health Monitoring (SHM) Systems
- Advanced Diagnostic Tools (AI, UAV)

Material Behavior and Structural Degradation

- Durability and Long-Term Performance
- Corrosion Assessment and Mitigation
- Damage Mechanisms and Transport Properties

Rehabilitation and Retrofitting Techniques

- Emerging Materials and Technologies
- Advances in Techniques for Retrofitting
- Numerical Modeling in Rehabilitation Design

Sustainability in Structural Rehabilitation

- Sustainable Repair Materials
- Life Cycle Assessment in Retrofitting
- Low-Carbon Technologies for Structural Repairs

Resilience in Structural Rehabilitation

- Retrofitting for Seismic and Climate Resilience
- Innovations in Design for Resilient Infrastructure
- Flood and Fire Damage Assessment and Repair

Policies, Case Studies and Heritage Restoration

- Performance-Based Retrofitting Guidelines
- Case Studies in Restoration Projects
- Restoration of Heritage Structures

Important Dates



*Conference proceedings shall be published through Springer



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Confirmed Speakers

Prof. Nemkumar Banthia, University of British Columbia
Prof. Venkatesh Kodur, Michigan State University
Prof. Pang Sze Dai, National University of Singapore
Prof. Richard Ball, University of Bath
Prof. (Retd.) Bishwajit Bhattacharjee, IIT Delhi
Prof. Shamim Sheikh, University of Toronto
Prof. Dipti Ranjan Sahoo, IIT Delhi
Prof. Shweta Goyal, Thapar University
Prof. Sauvik Banerjee, IIT Bombay
Dr. Kaizad Engineer, Ushta Infinity Const. Co. Pvt. Ltd.
Prof. Radhakrishna G. Pillai, IIT Madras
Prof. Anil Agarwal, IIT Hyderabad
Prof. Yogendra Singh, IIT Roorkee
Prof. S. Suriya Prakash, IIT Hyderabad

Sponsorship opportunities

Interests are invited from members of the industry to sponsor the conference in a capacity of their choice. Sponsors shall avail exclusive offers and privileges including exhibition stall options, special lectures and marketing forums as part of the conference activities.

Platinum Sponsor	₹ 15,00,000
Gold Sponsor	₹ 10,00,000
Silver Sponsor	₹ 5,00,000
Bronze Sponsor	₹ 2,50,000

Registration fees

Participant	Early-bird (Till 31st Aug 2025)	Normal (From 1st Sept 2025)
Students	₹ 5,000 + GST	₹ 7,000 + GST
Academia	₹ 12,000 + GST	₹ 15,000 + GST
Industry	₹ 15,000 + GST	₹ 20,000 + GST
International Delegates	US\$ 400	US\$ 500

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