



# CARRS 2025

## 2<sup>nd</sup> 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

- Feb 15, 2025** • Opening of abstract submission
- Apr 30, 2025** • Deadline for abstract submission
- Jul 10, 2025** • Notification for abstract acceptance
- Jul 11, 2025** • Opening of full paper submission
- Aug 31, 2025** • Closing of early-bird registration
- Sep 30, 2025** • Deadline for full paper submission\*
- Dec 11, 2025** • Conference Commences

\*Conference proceedings shall be published through Springer

### Publishing Partner





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### Invited Speakers (Confirmed till date)

#### Plenary

- Bishwajit Bhattacharjee, IIT Delhi
- Nemkumar Banthia, University of British Columbia
- Pang Sze Dai, National University of Singapore
- Richard Ball, University of Bath
- Shamim Sheikh, University of Toronto
- Venkatesh Kodur, Michigan State University

#### Keynote

- Anil Agarwal, IIT Hyderabad
- Anath Ramaswamy, IISc Bangalore
- Dipti Ranjan Sahoo, IIT Delhi
- Kaizad Engineer, UIC Co. Pvt. Ltd.
- Mangesh V. Joshi, S. S. S. Pvt. Ltd.
- Radhakrishna G. Pillai, IIT Madras
- S. Suriya Prakash, IIT Hyderabad
- Sanjay Chikermame, IIT Roorkee
- Sauvik Banerjee, IIT Bombay
- Shweta Goyal, Thapar University
- Srinivas V., CSIR-SERC
- Yogendra Singh, IIT Roorkee

### Registration Fees

Participant	Early-bird (Till 31 <sup>st</sup> Aug 2025)	Normal (From 1 <sup>st</sup> 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

### Payments Details

<b>Account Name</b>	Conference, Seminar, Symposium & Wshop IIT ROORKEE
<b>Conference Code</b>	CONFR-193-CED
<b>Account No.</b>	33136732957
<b>IFS Code</b>	SBIN0001069
<b>SWIFT Code</b>	SBININBB559

### Sponsorship Opportunities

Category	Sponsorship Amount	Stall Space	Promotional film screening	Logo display	Complimentary Passes	Technical Speakers	Special Recognition at the Event	Distribution of publicity material
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Silver Sponsor	₹ 5,00,000	✓	--	✓	5	--	--	✓
Bronze Sponsor	₹ 2,50,000	--	--	✓	2	--	--	✓



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### Scientific Committee

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