



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

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



CARRS 2025

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



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

Invited Speakers (Confirmed till date)

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. 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
 Mr. 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 CARRS 2025 in a capacity of their choice. Sponsors shall avail exclusive offers and privileges as part of conference activities.

Registration Fees

Participant	Early-bird (Till 31 st Aug 2025)	Normal (From 1 st 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

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

Category	Sponsorship Amount	Stall Space	Promotional film screening	Logo display	Complimentary Passes	Technical Speakers	Special Recognition at the Event	Distribution of publicity material
Platinum Sponsor	₹ 15,00,000	✓	✓	✓ (Backdrop)	10	1	✓	✓
Gold Sponsor	₹ 10,00,000	✓	✓	✓ (Backdrop)	7	1	--	✓
Silver Sponsor	₹ 5,00,000	✓	--	✓	5	--	--	✓
Bronze Sponsor	₹ 2,50,000	--	--	✓	2	--	--	✓



CARRS 2025

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



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

Scientific Committee

Abhishek Verma, IIT Guwahati
Ajay Chourasia, CSIR-CBRI, Roorkee
Ananth Ramaswamy, IISc Bangalore
Anil Agarwal, IIT Hyderabad
Anubhav Saxena, Pidilite
Debashish Bandhopadhyay, Jadavpur University
Dipti Ranjan Sahoo, IIT Delhi
Gopal Rai, Dhirendra Group of Company
Chandra Kishen J.M., IISc Bangalore
J.Y. Richard Liew, National University of Singapore
Kaizad Engineer, Ushta Infinity Const. Co. Pvt. Ltd.

M.N. Ramesh, Talrak Construction Pvt. Ltd.
Mangesh V. Joshi, S.S. Strengthening Pvt. Ltd
Mark Alexander, University of Cape Town
Mark F. Green, Queen's University
Pang Sze Dai, National University of Singapore
Radhakrishna G. Pillai, IIT Madras
Rajesh Kumar Sharma, CSIR-CBRI Roorkee
Ravindra Gettu, IIT Madras
Richard Ball, University of Bath
S. K. Bhattacharyya, Shiv Nadar University, Chennai
S. Suriya Prakash, IIT Hyderabad

Salil M. Gadgil, Krishna Conchem Products Pvt. Ltd.
Samir Manohar Surlaker, Assess Build Chem Pvt. Ltd.
Sauvik Banerjee, IIT Bombay
Shamim Sheikh, University of Toronto
Shashank Bishnoi, IIT Delhi
Shweta Goyal, Thapar University
Swati Maitra, IIT Kharagpur
Vasant Matsagar, IIT Delhi
Venkatesh Kodur, Michigan State University
Vijay Kulkarni, FOSROC
Yogendra Singh, IIT Roorkee

Organizing Committee



Prof. Umesh K. Sharma
Convenor



Prof. Rajib Chowdhury
Organizing Secretary



Prof. Anjaneya Dixit

Joint Organizing Secretary



Prof. Tarun Gangwar

Publishing Partner



Springer

Members

Prof. Pradeep Bhargava Prof. Vipul Prakash Prof. Akhil Upadhyay
Prof. Pramod K. Gupta Prof. Bhupinder Singh Prof. A. Chakrabarti
Prof. M. Ashraf Iqbal Prof. Sonalisa Ray Prof. S. Chikermane
Prof. Sudakshina Dutta Prof. S. R. Choudhury Prof. Rakesh Ranjan
Prof. Sandipan Paul Prof. Abhiraj Sharma

Contact Us

Prof. Umesh Kumar Sharma
Convener, CARRS 2025
Department of Civil Engineering,
Indian Institute of Technology Roorkee
ROORKEE- 247667, Uttarakhand, INDIA
Email: carrs2025@ce.iitr.ac.in



www.carrs2025.com