

INTERNATIONAL CONFERENCE ON SUSTAINABLE MATERIALS AND INFRASTRUCTURE

Organised by



विद्याधनं सर्वधनं प्रधानम्

Centre for Strategic and Sustainable
Infrastructure
Indian Institute of Technology
Jammu



Department of Civil Engineering
Indian Institute of Technology
Jammu



Indian Concrete Institute
J&K Centre

16th -18th December 2025
Venue: IIT JAMMU

Supported by

ASCE

ASCE Journal of Hazardous Toxic and Radioactive Waste

SPRINGER NATURE

Springer nature: Nanotechnology for Environment Engineering



Indian Concrete Institute Journal



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भारतीय प्रौद्योगिकी
संस्थान जम्मू
INDIAN INSTITUTE OF
TECHNOLOGY JAMMU

विद्याधनं सर्वधनं प्रधानम्

16th-18th December, 2025

The **International Conference on Sustainable Materials and Infrastructure** serves as a platform for researchers, industry professionals, and practitioners to drive progress in sustainable construction. This event offers an engaging forum to explore cutting-edge advancements in eco-friendly materials, energy-efficient technologies, and innovative design approaches. Participants can exchange knowledge, present groundbreaking solutions, and build collaborations to accelerate the adoption of sustainable practices in the construction industry.

Aligned with the principles of the **United Nations Sustainable Development Goals (SDGs)**, the conference addresses critical global challenges, including climate resilience, resource efficiency, sustainable urban development, and access to clean energy. By fostering dialogue and cooperation, this event aims to advance the creation of a sustainable and inclusive built environment that balances environmental, social, and economic priorities.

INDIAN INSTITUTE OF TECHNOLOGY JAMMU

Established in 2016, IIT Jammu is a leading institute of national importance dedicated to excellence in education, research, and innovation. Located in the picturesque region of Jammu, the institute offers state-of-the-art infrastructure and a vibrant academic environment. With a strong focus on interdisciplinary research and industry collaboration, IIT Jammu is committed to addressing global challenges. Hosting this conference reflects its mission to foster knowledge exchange and technological advancements in the construction domain.

INDIAN CONCRETE INSTITUTE (ICI)

The Indian Concrete Institute (ICI) is a premier professional organization in India, dedicated to serving professionals, organizations, and institutions in the field of concrete and related technologies. As a non-profit entity, ICI focuses on disseminating knowledge and promoting advancements in concrete technology, construction practices, and associated research areas. With a mission to address research needs and foster innovation, ICI boasts a robust network of over 14,500 professional members, 47 regional centers across the country, 380 organizational members, and 297 student chapters. Its membership represents all key segments of the cement and concrete industries, making ICI a comprehensive platform for collaboration and development in the field.

JAMMU AND KASHMIR

Jammu and Kashmir, often referred to as "Paradise on Earth," is renowned for its breathtaking landscapes, including snow-capped mountains, serene lakes, and lush valleys. The region is a hub for tourism, offering attractions like Gulmarg, Dal Lake, and Vaishno Devi Shrine, along with vibrant culture and traditional crafts. Its unique blend of natural beauty and heritage makes it a top destination for travelers worldwide.

THEMES

- **Advanced cementitious material for durability**
- **Advanced testing, inspection and monitoring techniques for materials and structures**
- **Computational modelling for durability**
- **Corrosion monitoring and mitigation**
- **Earthquake-resistant structures, seismic response control**
- **Eco-sustainable materials**
- **Environmental monitoring and AI**
- **Geosynthetics for sustainable construction**
- **Ground improvement method for foundation and tunneling**
- **High performance concrete**
- **Highway safety and risk assessment**
- **Innovative materials and construction techniques**
- **Innovations in bridge design and sustainable construction practices**
- **Low-carbon cements, cement chemistry and green concrete**
- **Microstructure of sustainable concrete/composites**
- **Nanotechnology in concrete and construction**
- **Non-destructive testing of concrete structures**
- **Pavement design and materials**
- **Resource conservation, recycling, and circular economy**
- **Service life and life cycle assessment of buildings and infrastructure**
- **Sustainable environment management**
- **Sustainable & emerging smart transportation systems**
- **Sustainable tunneling technologies**
- **Utilisation of waste materials in concrete**
- **Valorisation/bio-remediation of construction-based materials**



ADVISORY COMMITTEE

- Dr. Aditya Singh Rajput, IIT Ropar, India
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- Dr. Anne Nakgirir, Kyambogo University, Uganda
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- Prof. Bai Yun, University College London, UK
- Dr. Jayaramulu Kollaboyina, IIT Jammu, India
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- Prof. Mattur C Narasimhan, NIT Surathkal, India
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- Dr. Sameer K. Sarma Pachalla, IIT Jammu, India
- Prof. Sandeep Chaudhary, IIT Indore, India
- Dr. Teo Wee, Heriot Watt University, Malaysia

WHO SHOULD ATTEND?

- Academicians and students
- Admixture manufacturers
- Builders/contractors/site supervisors
- Cement manufacturers/construction companies
- Govt. agencies/officials, practicing engineers/consultants/ Architects
- Manufacturers / RMC Professionals
- Project management consultants/construction professionals
- Research scholars

WORKSHOP ON “ADVANCES IN SUSTAINABLE TUNELLING”

A workshop will be organised parallel to the conference on 17th December 2025.

The speakers in the workshop will include the leading tunneling experts from industry and academia . There is no additional fee for registered conference delegates. However, the entry to the workshop is limited and would be provided only on first come first serve basis.

For booking your slot , contact: icsmi@iitjammu.ac.in.

ABSTRACT SUBMISSION: IMPORTANT DATES

Participants are invited to showcase their innovative ideas and research findings through oral/poster presentation. The format of the abstract is available on the conference webpage. This opportunity allows valuable work to be shared and engagement with a vibrant community of experts and peers. The selected paper will be considered for publication in **ASCE Journal of Hazardous Toxic and Radioactive Waste**, **Springer nature: Nanotechnology for Environment Engineering**, **ICI Journal**, and some other reputed journals.

Abstract submission	30 th June 2025
Abstract submission notification	15 th July 2025
Full paper/poster submission	30 th Sep 2025
Final manuscript submission	15 th Oct 2025

REGISTRATION

Category	Registration fees (including 18%GST)
Indian Students (ICI Member)	Rs 3000
Indian Students (Non ICI Member)	Rs 3500
Academia Delegates (ICI Member)	Rs 5000
Academia Delegates (Non ICI Member)	Rs 6000
Industry Delegates (ICI Member)	Rs 7000
Industry Delegates (Non ICI Member)	Rs 8000
Students from outside India	USD 250
Delegates from outside Inside	USD 350

*Fee includes Registration kit and lunch

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Category	Amount (excluding GST)
Back Cover advertisement	1 Lakh INR
Inside of front & back cover	75,000 INR
Full page advertisement	50,000 INR
Half Page advertisement	25,000 INR

🏆 Best Poster & Best Paper Awards 🏆

Two outstanding posters and two best research papers will be selected based on innovation, scientific contribution, and presentation quality. Winners will be selected by a panel of judges and the awards will be presented during the closing ceremony of ICSMI 2025 at IIT Jammu.

SPONSORSHIP & EXHIBITION

Organisations are invited for sponsorship and to exhibit their products and services during the conference.

All inquiries on exhibition should be sent to

icsmi@iitjammu.ac.in

Sponsorship Categories	Sponsorship Amount (excluding GST)
Title sponsor	Rs 10 Lakhs
Platinum sponsor	Rs 7 Lakhs
Diamond sponsor	Rs 5 Lakhs
Gold sponsor	Rs 3 Lakhs
Silver sponsor	Rs 1.5 Lakhs
Exhibitors (space of 2m*3m)	Rs 60,000

ORGANISING COMMITTEE

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- **CO-CHAIRPERSON:** Prof. Bai Yun, University College London, UK
- **ORGANISING SECRETARIES:**
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Dr. Deepak Yadav, IIT Jammu
[Dr. Rohit Prajapati, University of Cambridge, UK](#)
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Dr. Pratik Kumar, IIT Jammu
Dr. SivaKumar G, IIT Jammu
Dr. Shiva S, IIT Jammu
Mr. Vikrant Jamwal, Founder TecCon Solutions
- **STUDENT COORDINATORS:**
Mr. Lalit Singh
Mr. Muzafar Ahmad Ganie
Ms. Manali Rathee
Mr. Sumit Singh Thakur

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