Call for extended abstracts:
November 1, 2023

Submission deadline for extended abstracts:
December 1, 2023

Notification on acceptance:
December 20, 2023

Abstract review decision:
January 8, 2024

Registration opens:
January 10, 2024

Deadline to avail of early bird discount:
January 31, 2024

Important Dates

Publication Opportunities
Selected papers will be published in proceedings of Springer.

How to Submit
Submit the abstracts using this link:
https://cmt3.research.microsoft.com/Conference/

Conference venue
IIT Kharagpur Research Park, Newtown, Kolkata, West Bengal, 700135

Contact us

IBSR 2024
2nd ANNUAL CONFERENCE

Infrastructure and Built Environment: Towards Sustainable and Resilient Societies
MARCH 7-9, 2024

Organized by:
Ranbir and Chitra Gupta School of Infrastructure Design and Management (RCGSIDM)
In collaboration with School of Water Resources

Indian Institute of Technology Kharagpur
West Bengal, 721302
www.rcgsidm.com/ibsr
About the School

In 2008, IIT Kharagpur established its esteemed Ranbir and Chitra Gupta School of Infrastructure Design and Management (RCGSIDM). It is the first program of its kind in India, and it lays a significant emphasis on the development of interdisciplinary technical and management skills to address the needs of our country's fast-expanding infrastructure sector. The postgraduate academic program at the school is open to students from a wide range of disciplines, including Architecture, Urban Planning, Civil Engineering, Mechanical Engineering, and Electrical Engineering.

The School's goal is to develop outstanding professionals capable of designing and delivering quality infrastructure projects efficiently and effectively with a comprehensive and fast-track approach.

In support of this goal, the school stands to complement the government and Industry in shaping the country's infrastructural development through state-of-the-art knowledge base, research, consultancy and active collaboration.

Conference Goal

The conference focuses on the provision of sustainable infrastructure towards enhancing societal resilience. As the nation continues to urbanize and build new infrastructure, it is essential to ensure that the benefits of such investments are equitable and sustainable. The conference aims to bring together bright minds from the industry, government, and academia to share their experiences and brainstorm solutions for the future.

Themes

Theme 1: Smart & Inclusive Habitat
- Housing Affordability in Indian Context
- Morphological Assessment of Indian Cities in last Three Decades
- Accessibility and Infrastructure driven Livability

Theme 2: Multimodal Urban Transport
- Forecasting the Demand for Disruptive shared Transportation Technologies
- Estimating the Impacts of Commuters' Choices on Environment, Health, and Well-being
- Mitigating the Safety/Security Concerns among Vulnerable Public Transit Users
- Measuring the Effects of Transportation Infrastructure Investment on Economic Development

Theme 3: Spatial Informatics in Urban Planning
- Big data Management in Geospatial aspects- Preparation, Modelling, Management, and Uncertainty
- Remotely Sensed Big Data in Intelligent Transportation System
- Emerging Techniques for Semantic Segmentation Applications in a Geospatial Context
- Data Mining Spatio-Temporal Information for Urban Built Environment Studies
- Multi-sensor Data Fusion for precision Land Cover Information Retrieval

Theme 4: Sustainable Built Infrastructure Development
- Road Safety
- Highway Design and Performance - Pavement Analysis, Distress Investigation, Evaluation and Monitoring, Strengthening and Rehabilitation
- Highway Asset Management
- Material Investigation, Recycle and Reuse, Retrofitting and Rehabilitation of Built Infrastructure

Theme 5: Virtual Reality in Transportation
- Virtual Reality for Transportation Safety by Simulating Traffic Scenarios and Assessing the Interaction Between Motorised and Active Mode.
- Immersive Urban Planning, Application of VR in Urban Planning, and Assessing the Impact of Built Environment using VR.

Theme 6: Tourism and Smart Infrastructure
- Sustainable Tourism Practices
- Assessing the Impact of Regional Connectivity on Domestic Tourism
- Conservation and Restoration of Heritage Structures
- Virtual Tourism and Cultural Heritage Preservation, Application of VR to Promote Tourism, and Impact of Immersive Virtual Environment of Museums and Historical Sites

Theme 7: Water and Waste Management Infrastructure
- Resource Recovery from Waste - Circular Economy Approach
- Urban Flood Management
- Waste water to Water
- Hydroinformatics in Urban Water Management

Registration Fee

| Type         | Early Bird* | Regular* | On spot*
|--------------|-------------|----------|-------------
| Student      | INR 3000    | INR 4000 | INR 5000    |
| Academia     | INR 7000    | INR 9500 | INR 12000   |
| Industry     | INR 9500    | INR 12000| INR 14500   |
| International| USD 100     | USD 200  | USD 200     |

For domestic attendees who wish to participate in the conference solely as observers, a registration fee of 2000 INR is applicable.

*Additional 18% GST will be chargeable

Selected papers will be published in proceedings of Springer.