



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

Important Dates

Call for extended abstracts:	November 1, 2023
Submission deadline for extended abstracts:	December 10, 2023 December 20, 2023
Early Bird Registration opens:	January 18, 2024
Deadline to avail of early bird discount:	February 15, 2024
Regular Registration opens:	February 16, 2024

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

🏠 2nd & 3rd Floor, Twin Science Block, Ranbir and Chitra Gupta School of Infrastructure Design and Management (RCGSIDM), IIT Kharagpur

📞 Faculty Contacts
Prof. Ankhi Banerjee
ankhi@infra.iitkgp.ac.in
Prof. Sharma Gajanand
gsharma@iitkgp.ac.in

✉️ rcgsidmkgp@gmail.com

🌐 www.rcgsidm.com



Scan for more details

Knowledge Partners



Sponsor



Patron

Prof. V. K. Tewari
Director, IIT Kharagpur

Advisors

Prof. Amit Patra
Deputy Director, IIT Kharagpur

Prof. Maddali Ramgopal
Dean of Faculty of Engineering and Architecture,
IIT Kharagpur

Prof. Tarak Nath Mazumder
Head, Architecture & Regional Planning
Department, IIT Kharagpur

Prof. Dhruvajyoti Sen
Head, Civil Engineering Department, IIT
Kharagpur

Mr. Ron Gupta
Founder and Chairman of SIGMA7 Design Group
New York, USA

Conference Organizing Committee

General Chair
Prof. Arkopal Kishore Goswami

Organizing Chair
Prof. Sharma Gajanand

Content and Publication
Prof. Bharath Haridas Aithal

Sponsorship and Finance
Prof. Swati Maitra

Communication and Publicity
Prof. Ankhi Banerjee

Student Coordinators

Paper Submission: Mr. Aniruddha Khatua
aaniruddha4@kgpian.iitkgp.ac.in

Publicity & Sponsorship: Mr. Kapil Meena
kapil.meena@kgpian.iitkgp.ac.in

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.

Publishing Partner



Selected papers will be published in proceedings of Springer.

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.
- Virtual Reality for Infrastructure Development, Application of VR in Planning, Constructing, and Maintaining Critical Infrastructure.

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

	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 Delegate	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