



SECOND  
INTERNATIONAL  
CONFERENCE  
ON

# INFRASTRUCTURE DEVELOPMENT



# ICID 2024

Department of Civil Engineering



**MAR BASELIOS**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
AUTONOMOUS

**SUSTAINABILITY,  
RESILIENCE &  
TRANSFORMATIONAL ADAPTATION**

September  
**25 to 27,**  
**2024**

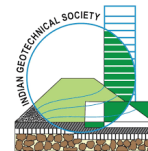
In collaboration with



Technical partner



Department of Civil Engineering,  
IIT Madras



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# 2024

## About the conference

Infrastructure is an essential part of the social well-being of any nation and this can be grouped under the umbrella of man-made structures to facilitate economic development for the welfare of the humankind. Such infrastructure includes buildings, roads, pipelines, dams and power plants, to list a few. Providing quality infrastructure without aggravating the existing issues related to environment, economy and sustainability is a major challenge to the engineering community. The Second International Conference on Infrastructure Development is set to be a transformative gathering of global leaders, experts, and innovators, converging to deliberate on the crucial themes of Sustainability, Resilience, and Transformational Adaptation in the realm of infrastructure development. As nations face unprecedented challenges and opportunities, the conference aims to foster collaborative efforts towards building a future where infrastructure not only meets the needs of today but is also equipped to withstand the uncertainties of tomorrow.

### CONFERENCE OBJECTIVES

- Provide a platform for knowledge exchange and collaboration among diverse stakeholders in the field of infrastructure development.
- Foster dialogue on the integration of sustainability, resilience, and transformational adaptation principles into infrastructure planning and implementation.
- Showcase innovative solutions, research findings, and best practices to address the complex challenges facing infrastructure systems worldwide.
- Facilitate networking opportunities for participants to form partnerships and initiate joint initiatives for advancing sustainable and resilient infrastructure development.



# CONFERENCE THEMES AND SUBTHEMES

## Sustainable Infrastructure

- Green and eco-friendly construction practices
- Ecosystem restoration, Green infrastructure and Biodiversity conservation
- Renewable energy projects and integration
- Sustainable materials for construction
- Energy, Environment and Sustainability

## Innovations in Construction Technology

- 3D printing and modular construction
- Use of advanced materials
- Robotics and automation in construction
- Implementation of IoT (Internet of Things) in infrastructure

## Integration of Technology

- Applying Building Information Modeling (BIM)
- Structural Simulations using Finite Element Analysis (FEA) and other computational tools
- Real-time structural health monitoring
- Applications of AI/ML techniques in infrastructure development

## Resilient Infrastructure

- Infrastructure resilience to natural disasters
- Adaptive and resilient design of structures
- Safety and risk mitigation
- Climate change adaptation in infrastructure planning
- Robust disaster recovery strategies
- Disaster and climate risk resilience
- Climate change adaptation and mitigation
- Smart cities and Urban resilience

## Transportation Infrastructure Development

- Economic, social, energy, and environmental issues in transportation
- Transportation safety
- Transport and land use development for sustainability
- Traffic management and intelligent transportation systems
- Public transportation and para-transit
- Sustainable freight transportation
- Pavement materials
- Transportation infrastructure design, construction and maintenance
- Transport infrastructure asset management

## Water and sanitation infrastructure

- Sustainable water resource management
- Innovations in wastewater treatment
- Access to clean water in urban and rural areas

## Clean Environment

- Waste Management, Circular Economy and Resource Recovery
- Air Quality and Pollution Control
- Emerging Contaminants and Mitigation Strategies
- Environmental Impact Assessment (EIA)

## Sustainable Geotechnics

- Sustainable Materials for Geotechnical Applications
- Soil-structure interaction
- Geotechnical issues due to vibrations
- Ground improvement techniques
- Case studies on failures and their forensic analysis
- Deep soil mixing and ground reinforcement
- Innovative foundation systems.
- Rock Mechanics and Rock Engineering

## Important dates and deadlines

### ABSTRACT SUBMISSION

Abstract Submission Deadline

20 April 2024

Notification to Authors

30 April 2024

### FULL PAPER SUBMISSION

Full Paper Submission

31 May 2024

Notification to Authors

15 July 2024

Camera Ready Full Paper

31 July 2024

### REGISTRATION DEADLINES

Early-Bird Registration Opens

1 July 2024

Early-Bird Registration Closes

31 July 2024

Final Registration deadline

31 August 2024



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### **Dr. Saurabh Sakhre**

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## Registration details

EARLY  
10 July 2024

REGULAR  
21 August 2024

		EARLY 10 July 2024	REGULAR 21 August 2024
NATIONAL	Student Authors	₹2000	₹3000
	Academicians	₹3000	₹4000
	Industry delegates	₹8000	₹10000
INTERNATIONAL	Student Authors (Regular)	\$100	\$150
	Student Authors (Subsidised*)	\$75	\$100
	Academician, Industry delegates	\$250	\$350
	Academician, Industry delegates (Subsidised*)	\$200	\$300

For registration

[Click Here](#)

\* For countries with low GDP.

The registration fee entitles the delegates to attend technical sessions of the conference, lunch, and reception and will receive the proceedings.

**Delegates who want to attend the pre-conference workshop shall register with ₹1000 (Early), or ₹2000 (Spot)**

The process of publishing the papers in indexed journals is in progress.

## Organizing Committee

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For registration:

Bank Account details:

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Bank : The South Indian Bank Limited, Nalanchira Branch  
IFSC : SIBL0000483

CONFERENCE WEBSITE

[www.icid24.in](http://www.icid24.in)

# Sponsorship

Sponsorship Category	Sponsorship Amount (Rs)	Free delegates	Presentation duration	Facilities
Platinum	7,00,000 + 18% GST	10	30 minutes	Title sponsor Logo and advertisement
Gold	5,00,000 + 18% GST	7	15 minutes	Logo and advertisement
Silver	3,00,000 + 18% GST	5	10 minutes	Logo and advertisement
Bronze	1,00,000 + 18% GST	3	3 minutes	Logo and advertisement
Exhibitor booth	Up to 50,000 + 18% GST	1		One unit in exhibit area



## ABOUT THE INSTITUTION

Mar Baselios College of Engineering and Technology (MBCET), Thiruvananthapuram, Kerala was established in the year 2002 by the Major Archdiocese of Trivandrum with the noble objective of providing quality technical and skill education based on fundamental human values. As a proud part of the Mar Ivanios Vidyanagar on the blessed Bethany Hills, deriving the inner strength of truth and goodness from the visionary Patrons, MBCET inspires the aspirations of generations of knowledge-seekers. Dedicated to mould morally upright, socially committed and intellectually trained Engineers, the College strives to realize its dreams. MBCET offers 7 Undergraduate programmes and 7 Postgraduate programmes in Engineering. The institution is an approved research centre of APJ Abdul Kalam Kerala Technological University. Five B.Tech programmes (CE, CSE, ECE, EEE and ME) are accredited by NBA since 2016. The institution is also accredited by the NAAC with A grade (CGPA 3.13) since 2016. The institution was conferred with the "Autonomous" status by the University Grant Commission (UGC) in the year 2020.

## DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering branch was started in Mar Baselios College of Engineering and Technology in 2005. The department currently offers an undergraduate program in Civil Engineering leading to a B. Tech degree and two graduate programs leading to M.Tech in Structural Engineering (SE) and Transportation Engineering (TE). The faculties in the department are well experienced, skilled technical staff, and well-equipped laboratories. The strong and dedicated group of faculty takes up consultancy activities in various streams of Civil Engineering. The Civil Engineering Students Association (CESA) regularly organizes technical sessions and other activities. The Department has very active student chapters of ASCE, IPA and IGS.

### Contacts

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## Mar Baselios College of Engineering and Technology ( Autonomous)

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