



SECOND
INTERNATIONAL
CONFERENCE
ON

INFRASTRUCTURE DEVELOPMENT



ICID 2024

Department of Civil Engineering



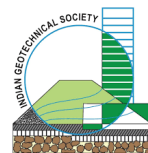
MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY
— AUTONOMOUS —

**SUSTAINABILITY,
RESILIENCE &
TRANSFORMATIONAL ADAPTATION**

September
25 to 27,
2024

In collaboration with

Technical partner



Department of Civil Engineering,
IIT Madras

www.icid24.in

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

15 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

INTERNATIONAL ADVISORY COMMITTEE

Dr. Gopu R Potty

Professor,
University of Rhode Island (ST)

Dr. Divya Varkey

Geotechnical Specialist,
Royal Haskoning DHV,
Netherlands

Dr. Vivek Tandon

Professor,
The University of Texas at El Paso

Dr. Rajib B Mallick

Professor,
University of Texas at El Paso

Dr. Akhila Palat

Geotechnical Engineer,
WSP, New Zealand

Dr. Suresh Immanuel

Associate Dean,
School of Engineering and Computer Science
Professor of Civil Engineering, University of Evansville, Indiana

Dr Ajaya Kumar

Assistant Professor,
Health Safety and Environmental Management (HSEM),
International College of Engineering and Management,
Sultanate of Oman

Mr. Manek Pillai

Chartered Water and Environment Manager,
Service Lead, Coastal Modelling, WSP, Middle East

NATIONAL ADVISORY COMMITTEE

Dr. J Muralikrishnan

Professor, Indian Institute of Technology Madras,
Chennai

Dr. Lelitha Devi Vanajakshi

Professor, Indian Institute of Technology Madras,
Chennai

Dr. Eldho T I

Professor, Indian Institute of Technology Bombay,
Mumbai

Prof. Ligy Philip

Professor, Indian Institute of Technology Madras,
Chennai

Dr. K V Jayakumar

Visiting Professor-cum-Outreach Advisor,
Indian Institute of Technology Dharwad

Dr. Tom V Mathew

Professor,
Indian Institute of Technology Bombay

Dr. S Suriya Prakash

Professor, Indian Institute of Technology Hyderabad

Dr. Tarun Gupta

Dean of Research and Development,
The Pawan Tewari Goldman Sachs Sustainability Faculty Chair
Professor, Department of Civil Engineering,
Indian Institute of Technology Kanpur

Dr. Kishor S. Kulkarni

Senior Scientist, Architecture Planning and Energy
Efficiency Group, CSIR-CBRI, Roorkee

Dr. N Ganesan

Professor (HAG), National Institute of Technology Calicut

Dr. M V L R Anjaneyulu

Professor, National Institute of Technology Calicut

Dr. J Sudhakumar

Professor, National Institute of Technology Calicut

B R Jayalekshmi

Professor, National Institute of Technology
Surathkal

Dr. Sivakumar Palaniappan

Associate Professor,
Indian Institute of Technology Madras, Chennai

Dr. Prabin Kumar Ashish

Assistant Professor,
Indian Institute of Technology Kanpur

Dr. Minal Chandra

Senior Scientist,
CSIR-CRRI, New Delhi

Dr. Gaurav Misuriya

Assistant Professor,
National Institute of Technology Calicut

Dr. Jithesh T Chavda

Assistant Professor (Grade I),
S.V. National Institute of Technology Surat

Dr. Soukat Kumar Das

Assistant Professor Grade-II,
National Institute of Technology Rourkela, Odisha

Dr. A N Brijesh Nair

Professor (HAG) & Director (Global Initiatives)
VIT, Bangalore

Dr. K P Jaya

Professor and Head of Department,
Department of Civil Engineering,
College of Engineering, Guindy

Mr. Prabhakar Gundlapalli

Associate Director (Civil),
and Scientific Officer 'H',
Nuclear Power Corporation of India Ltd

Dr. Praveena Gangadharan

Assistant Professor,
Indian Institute of Technology Palakkad

Dr. Arun C O

Assistant Professor,
Indian Institute of Technology Palakkad

Dr. Saurabh Sakhre

Scientist,
Environmental Technology Division (ETD),
CSIR-NIIST, Thiruvananthapuram

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)

Scopus indexed publication process in progress - updates coming soon

Organizing Committee

CHIEF PATRON

HB Moran Mor Baselios Cardinal Cleemis Catholicos
Patron & Manager

PATRON

Rev. Fr. John Varghese Palanilkunnathil
Bursar

FINANCE CHAIR

Fr. Thomas Mukalumpurathu
Assistant Bursar

CONFERENCE CHAIR

Dr. Abraham T Mathew
Principal

CONFERENCE CO-CHAIR

Prof. S Viswanatha Rao
Vice Principal

ORGANIZING CHAIR

Dr. Jisha S V
Associate Professor and HOD
TECHNICAL PROGRAMME CHAIR

Dr. Neethu Roy
Professor and Dean R&C

CONVENERS

Dr. Jaya S Pillai
Associate Professor

Dr. Amal Raj
Assistant Professor

Mr. Nifin S
Assistant Professor

For registration:

Bank Account details:

Account Number : 0483053000018859
Account Name : ICID 2018 CE MBCET
Bank : The South Indian Bank Limited, Nalanchira Branch
IFSC : SIBL0000483

CONFERENCE WEBSITE

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

+919633265828
+917736606107
+919995735762

Mar Baselios College of Engineering and Technology (Autonomous)

Affiliated to APJ Abdul Kalam Technological University and approved by AICTE
Mar Ivanios Vidyanagar, Nalanchira, Thiruvananthapuram - 695015, Kerala, India

www.mbcet.ac.in