



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

Pre-conference workshops : 25 Sept.

Paper presentations and Plenary sessions : 26,27 Sept.

In association with

Technical Partner



Department of
Civil Engineering,
IIT Madras

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Innovations in Pavement Engineering and Recycling for a Sustainable Infrastructure

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THE ENERGY AND
RESOURCES INSTITUTE
Creating Innovative Solutions for a Sustainable Future

Background

India, home to the world's second-largest road network (66.71 lakh kilometers, including 3.25 lakh kilometers of highways), is rapidly expanding with new roads and expressways. This growth presents challenges, notably increased energy consumption and CO₂ emissions, as road transport contributes 12% of the country's energy-related CO₂ emissions. With rising demand for private mobility and goods transport, India's road transport energy use and emissions are projected to double by 2050.

To future-proof Indian highway infrastructure, sustainable investment, and responsible development are essential. This requires integrating sustainability at every project stage—from conception to maintenance—through careful attention to technology, processes, personnel, and governance. Incorporating Environmental, Social, and Governance (ESG) principles ensures long-term sustainability and societal benefits.

The depletion of natural resources, such as aggregates, underscores the need for recycling and reclaiming materials. Recycling pavements extends road infrastructure lifespan and supports a circular economy, reducing resource scarcity and environmental impact.

Collaboration among design engineers, government authorities, and investors is critical for developing and maintaining smart, sustainable highways. This workshop brings together experts from academia and industry to explore advancing sustainable practices in pavement construction and maintenance.

Key Topics of Discussion

- **Pavement Management and Sustainable Pavement Construction - Kerala Perspective**
- **Recycling and Reclaiming of Pavement Materials**
- **Characterization of RAP and Challenges Associated with Managing RAP**
- **Mix Design with RAP**
- **Reducing Carbon Footprint and Enhancing Climate Resilience of National Highways**
- **Parameters of the Green Highway Rating System.**
- **Current Trends in Maintenance and Asset Management, with Particular Emphasis on the Adoption of Sustainable Practices.**
- **Panel Discussion : Factors Influencing Green Highways, Existing Challenges and Concerns Related to Green Highways and the Way Forward.**

Innovations in Pavement Engineering and Recycling for a Sustainable Infrastructure

Speakers

Dr. J Murali Krishnan

Indian Institute of Technology
Madras

Mr. Sreejith G H

Kerala Highway Research Institute

Dr. Thushara V T

College of Engineering Trivandrum

Dr. M R Nivitha

PSG College of Technology

Dr. Neethu Roy

MBCET

Mr. Bhanoj Dokku

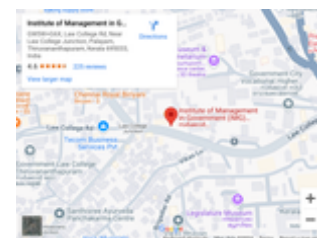
Cube Highways & Transport Assets
Advisors Pvt. Ltd.

Ms. Megha Chauhan

Transport & Urban Governance Division,
The Energy and Resources Institute (TERI)

Venue

**Institute of Management in
Government (IMG), Palayam,
Thiruvananthapuram, Kerala
695033**



For Registration: [Click here](#)

Registration Fee

Pre-conference workshop : **₹1000** (Early) or **₹2000** (Spot)
(Welcome kit, Refreshments and Lunch)

Sponsorship details

Sponsorship Category	Sponsorship Amount (Rs)	Free delegates	Presentation duration	Facilities
Platinum	4,00,000 + 18% GST	10	30 minutes	Title sponsor Logo and advertisement
Gold	3,00,000 + 18% GST	7	15 minutes	Logo and advertisement
Silver	2,00,000 + 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

Bank Account details:

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For registration, visit

CONFERENCE WEBSITE

www.icid24.in

DEPARTMENT OF CIVIL ENGINEERING, IIT MADRAS

The Department of Civil Engineering at IIT Madras, established in 1959, offers globally recognized programs including B.Tech., M.Tech., Dual Degree, M.S., and Ph.D. With six specialized divisions—Building Technology, Environmental, Geotechnical, Structural, Transportation, and Water Resources Engineering—the department boasts world-class laboratory facilities and cutting-edge research. Backed by distinguished faculty with international expertise, the department actively collaborates with industry and academia, making significant societal impacts and nurturing future leaders in civil engineering.

KERALA INFRASTRUCTURE INVESTMENT FUND BOARD (KIIFB)

The Kerala Infrastructure Investment Fund Board (KIIFB), established in 1999, finances large-scale infrastructure projects across sectors like transportation, healthcare, water supply, and education. It uses innovative financing through capital markets to promote sustainable development and ensure quality infrastructure. KIIFB has approved projects worth over INR 60,000 crore, making it a model for infrastructure financing.

THE ENERGY AND RESOURCES INSTITUTE (TERI)

The Energy and Resources Institute (TERI) is a renowned independent organization focused on advancing sustainability through innovative research, policy initiatives, and solutions. Established over 50 years ago, TERI addresses key global challenges like climate change, clean energy, and sustainable development. With a multidisciplinary team, it drives impactful projects both in India and internationally, promoting a greener and more equitable future. TERI's headquarters are in New Delhi, with regional centers across India.



MBCET

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 Vidyannagar 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 towards moulding 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 including Civil Engineering are accredited by NBA since 2016. The institution is also accredited by the NAAC with A grade 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.