

ASSOCIATED PARTNERS :

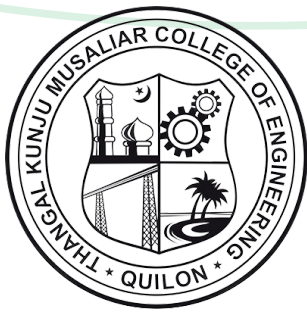
HABILETE
Learning Solutions

ASCE
STUDENT CHAPTER
TKM College of Engineering

ISERB
DIA



Kollam Municipal Corporation



ICMSC

INTERNATIONAL CONFERENCE ON MODELING & SIMULATION IN CIVIL ENGINEERING

7TH INTERNATIONAL CONFERENCE ON MODELLING AND SIMULATION IN CIVIL ENGINEERING

ICMSC 2024

Focusing on global partnership for sustainable development and circular economy through technology, infrastructure and research

RESOURCE PERSONS FROM UNIVERSITIES:



MAIN THEME

- ✓ Focusing on global partnership for sustainable development and circular economy through technology, infrastructure and research

Objectives of ICMSC 2024

- ✓ To create a platform for global partnership by bringing together a diverse group of individuals, including students, academicians, scientists, professionals, practitioners and various stakeholders for promoting sustainable development.
- ✓ To achieve the various Sustainable Development Goals (SDG) through a detailed evaluation and analysis of the current trends, advancements, and new developments across different countries.
- ✓ To encourage collaboration between industry and academia, thereby bridging the gap between theory and practice.
- ✓ To provide opportunities for publication of original research papers, review papers, surveys, case studies, technical and management reports, viewpoints in the conference publications.

SUB THEMES

(aligned with Sustainable Development Goals- SDGs of the United Nations)

SDG 6: Clean water and sanitation

- ✓ Water policies and governance
- ✓ Pollutant dynamics and transport
- ✓ Water treatment
- ✓ Wastewater treatment
- ✓ Applications of AI and ML
- ✓ Persistent organic pollutants
- ✓ Microplastics
- ✓ Design of environmental systems
- ✓ Community initiatives and sanitation

SDG 9: Industry, Innovation and Infrastructure

- ✓ Retrofitting
- ✓ Environmental Geotechnics
- ✓ Advanced characterization techniques
- ✓ Forensic geotechnical engineering
- ✓ Reinforced soil and geosynthetics
- ✓ Sustainable foundation
- ✓ Earthquake resistant structures
- ✓ Advances in materials and concrete
- ✓ Clean technologies
- ✓ BIM(Building Information Modelling)
- ✓ AI and ML in infrastructure
- ✓ Safety of engineered structures
- ✓ Construction risk management
- ✓ Construction simulation
- ✓ GIS and remote sensing applications
- ✓ Advanced Pavement Materials and construction techniques
- ✓ Rehabilitation of pavement structures

SDG 11: Sustainable cities and Communities

- ✓ Urban planning
- ✓ Road safety
- ✓ IoT in infrastructure
- ✓ Transportation planning: optimizing mobility and infrastructure
- ✓ Intelligent transport systems
- ✓ Green buildings
- ✓ Modular construction
- ✓ Construction productivity and economics
- ✓ Construction dispute resolution
- ✓ Disaster preparedness and Management
- ✓ Resilient infrastructure
- ✓ Sustainable water resource management
- ✓ Indoor and outdoor air quality
- ✓ Solid waste and hazardous waste management

SDG 12: Responsible consumption and production

- ✓ Resource management
- ✓ Resource recovery
- ✓ Circular economy
- ✓ Waste to resource
- ✓ Lean construction
- ✓ Recycled aggregate/concrete
- ✓ Construction supply chain management
- ✓ Recycled pavement management
- ✓ C&D waste management

SDG 13: Climate Action

- ✓ Hydro climatology
- ✓ Climate modelling
- ✓ Hydrologic impacts of climate change
- ✓ Climate smart agriculture and irrigation
- ✓ Carbon capture
- ✓ Carbon sequestration
- ✓ Greenhouse gas reduction
- ✓ Carbon neutral transport sector
- ✓ LCA/carbon footprint evaluation
- ✓ Embodied energy of building materials
- ✓ Infrastructure adapting to climate change.

*Keywords are not limited to the above mentioned

KEYNOTE SPEAKERS



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IMPORTANT DATES

- Final paper submission- 31st August 2024
- Intimation of acceptance- 15th September 2024
- Early bird registration- 30th September 2024
- Camera ready paper submission- 15th October 2024
- Last date of registration- 15th November 2024

REGISTRATION DETAILS

Category	Early bird registration closes on 30th September 2024	Regular Registrations
Students	Rs 1500/-	Rs 2000/-
Participants from academic institutions, industry	Rs 3000/-	Rs 3500/-
Participants outside India	USD 200	USD 250

Preconference workshop:
"Strategies for effective recycling and waste management practices" on

4TH DECEMBER 2024

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