**International Conference on Technological Advancements in Civil and Mechanical Engineering**

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1. ICTACME -2024

KMEA Engineering College, Ernakulam, Kerala, India in Association with Universiti Teknologi MARA, Malaysia

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Account details

Name: HOD CIVIL

Ac/No: 5457294302

Branch Name: Central Bank of India, Kakkanad

IFSC: CBIN0283724

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1. ICTACME- 2023

KMEA Engineering College in Association with Universiti Teknologi MARA, Shah Alam, Malayia and Durban University of Technology, South Africa | February 22-23, 2024

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* 1. About the Conference

We are pleased to inform you know about the upcoming International Conference on Technological Advancements in Civil and Mechanical Engineering, which is scheduled to take place at the KMEA Engineering College in Edathala, Kerala, from February 22–23, 2024. The purpose of this prestigious conference on advancements in civil and mechanical engineering is to give researchers, academicians, industrial participants, and students a forum to present the results of their research. This would be an interdisciplinary forum to bring together experts from mechanical engineering, civil engineering, and material science to interact and discuss their findings.

Important Dates

Deadline for the submission of the Abstract: 15 December 2023

Deadline for the submission of the Full Paper Submission: 5 January 2024

Deadline for the submission of the Registration Fee: 15 January 2024

* 1. About the Institution

The Kerala Muslim Educational Association was established in 1957 with the lofty aim of setting up quality educational institutions on a par with global standards promoting education among minority communities and providing financial aid to the economically weak and deserving students. Late Sri. Poker Sahib, an eminent Parliamentarian and Philanthropist and late Sri. K. M. Seethi Sahib, former speaker of the Kerala Legislative Assembly, was the key forces behind the formation of KMEA. Former Chief Minister Sri. C. H. Muhammed Koya has also actively participated in the formation of the association. KMEA Engineering College (KEC) was established in 2002 under the management of Kerala Muslim Educational Association, a charitable trust. It is approved by All India Council for Technical Education (AICTE) and affiliated to APJ Abdul Kalam Technological University. The college is accredited by the National Assessment and Accreditation Council (NAAC). Five UG programs, Civil Engineering, Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication and Mechanical Engineering are accredited by the National Board of Accreditation (NBA).

* 1. Conference Awards for Short Invited Lectures & Posters

The conference organizers will provide three best presentation awards for the best short, invited talks and three best posters. The International Jury will evaluate the short invited talks and posters.

Conference Proceedings in International Peer Reviewed Journal.

* 1. Panel discussion on international funding for nanotechnology and nanoscience:

Materials are essential since they affect every nation, all nations, and a wide range of issues that are important to society both now and, arguably, far into the future. Investigating funding options both nationally and internationally therefore becomes necessary. This panel discussion will be centred on issues which will be followed up after the conference in order to create a global funding structure that includes many different countries.

1. Key topics

Track 1: Mechanical Engineering:

• Mechanical Dynamics and Its Applications

• Machine Design

• Instrument and Apparatus

• Chemical Machinery and Equipment

• Power and Fluid Machinery

• Composites

• Polymer Materials

• Micro / Nano Materials

• Metal & Alloy Materials

• Smart and Intelligent Materials

• Solid and Fracture Mechanics

• Computational Mechanics

• Micro-Machining

• Mechanical Reliability Theory and Engineering

• Refrigeration and Air Conditioning

• Power and Mechanical Engineering

• Internal Combustion Engines

• Heat Exchangers

• Heat and Mass Transfer

• Fluid Dynamics

• High-speed/Precision Machining and Inspection Technology

• Vibration, Noise Analysis and Control

• Advanced Numerical Control Technology and Equipment

• Aerospace Systems and Technology

• Aerodynamics

• Laser Processing Technology

• Robotics

• Mechatronics equipment

• Mechatronics Sensing and Control

• Complex mechanical-electro-liquid System

• Intelligent Actuators and Materials

Track 2: Civil Engineering

* Construction and Building Materials
* Concrete Technology
* Structural Mechanics
* Composite Structures
* Concrete and Masonry Structures
* Pre-cast or prefabricated concrete
* Fluid-Structure Interaction
* Underground Structures
* Fracture Mechanics
* Lightweight Structures
* Pre-stressed concrete structures
* Performance-Based Design
* Repair, Retrofitting and Rehabilitation
* Smart Materials and Structures
* Safety, Reliability and Risk Analysis
* Structural Stability
* New Technologies in Structural Design & Construction
* Tall Structures
* Bridge Engineering
* Structural Dynamics
* Earthquake/Seismic Engineering
* Special Structures

1. Keynote Speakers – 3

Plenary – 6

Invited -6

1. Committee

CHIEF PATRON

Jb. Syed Basheer Ali Shihab Thangal - President, Kerala Muslim Educational Association (KMEA)

PATRONS

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Dr. Amar Nishad T. M. - Director and Principal, KMEA Engg. College

CO-CHAIRMAN

Dr. Rekha Lakshmanan - Vice Principal, KMEA Engg. College

ORGANIZING COMMITTEE

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Dr. Smitha K.M - Dean Academics, KMEA Engineering College

Dr. Reeena Sebastian - Dean Student Affairs, KMEA Engineering College

Dr. Sajith T.A - Dean Research, KMEA Engineering College

Dr. Leera Raju - HoD, Mechanical Engineering, KMEA Engineering College

Dr. Sija Arun - HoD, Civil Engineering, KMEA Engineering College

CONFERENCE CONVENORS -

Dr. Paulose Paulose, KMEA Engineering College

Dr. Biji Chinnamma, KMEA Engineering College

Haris P.A, KMEA Engineering College

Sandya Anand, KMEA Engineering College

INTERNATIONAL ADVISORY COMMITTEE

Prof. Dr. Zakiah Ahmad, University Teknologi MARA, Malaysia

Dr. Alhassan Tijani, University Teknologi MARA, Malaysia

Dr. Harikesh P.C, Linkoping University, Sweden

Prof. Dr. Igor Prosonov, Russia

Dr. Yusuf O. Busari,University of Ilorin, Nigeria

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Dr. Nimi Ann Vincent, AJCE, India

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5. Contact

The Conveners,

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