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MATS UNIVERSITY



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INTERNATIONAL CONFERENCE ON

[1st & 2nd – December 2023]

“Advances in Engineering, Information
& Aerospace Technology:
A Global Perspective (ICAEIAT-2023)”

HYBRID MODE

In association with



ORGANIZED BY

SCHOOL OF ENGINEERING & INFORMATION TECHNOLOGY

Approved by AICTE

About Raipur:

Raipur is the capital of Chhattisgarh, located near the center of a large plain, sometimes referred as the “rice bowl of India” where hundreds of varieties of rice are grown. It was formerly a part of Madhya Pradesh before the state of Chhattisgarh was formed on November 1, 2000. Raipur is one of the biggest industrial centers of central India, surrounded by many tourist places. The city is located on Mumbai-Nagpur-Howrah highway and it is well connected by air and railway network with all the major cities of country.

About MATS University:

Established in 2006, MATS University is Chhattisgarh's oldest Private University and Consistently ranked among the top few Universities in Central India. Our reputation for excellence and breaking new ground has been forged by a continuous stream of exceptional people. We proudly count among top entrepreneurs, business owners and leading professionals as our distinguished alumni. Today, our vibrant culture continues to attract some of the best and brightest academic leaders as well as students from all over the country.

School of Engineering & Information Technology:

MATS School of Engineering & I.T., has been educating professional engineers for more than 10 years. The school delivers under graduate, graduate and other engineering programmes with extensive students-centric pedagogies to achieve excellent outcomes. Our project based educational approach creates dynamic and pro-active graduates with capabilities for lifelong learning, complex problem solving, design and innovation and relating technology to society. The schools' expertise covers Aeronautical, Civil, Computer Science, Mechanical and Mining Engineering. Students of the School are supported by some outstanding technical facilities. The design and manufacturing workshops feature the machining technology, Industry standard lathes and metal sheet cutters. We not only teach technology; we actively infuse the use of technology in ways that are impossible with conventional approaches.

ICAEIAT-2023:

ICAEIAT-2023 is an interdisciplinary conference aimed at bringing together experts from diverse engineering fields. It invites researchers from various disciplines such as engineering, information technology, and aerospace technology, creating opportunities for interdisciplinary collaboration and innovation. Recognizing that complex global challenges often necessitate expertise from multiple domains, the conference places a strong emphasis on practical applications, real-world projects, technologies, and solutions that have the potential to impact various industries and enhance everyday life. ICAEIAT-2023 offers numerous networking opportunities, including panel discussions, workshops, and social events. It serves as a platform for students to present their research and connect with mentors and peers. The International Conference on Advances in Engineering, Information

& Aerospace Technology: A Global Perspective (ICAEIAT-2023) promises to be both enriching and enlightening for all attendees. With its emphasis on interdisciplinary collaboration, global perspectives, and groundbreaking research, the conference is set to play a pivotal role in advancing technology and shaping the future of engineering, information technology, and aerospace technology on a worldwide scale.

Conference Themes

1. Mechanical Engineering

- Innovative Science and Technology in Mechanical Engineering for Advancing Humanity
- Advanced Materials for Medical Devices, Defence, and Industrial Independence
- Renewable Energy and Decarbonization Technology
- Mechanical Science and Technology Advances
- Manufacturing and Production Processes

2. Computer Science and Engineering

- Wireless sensors & Data Mining
- Big Data Analytics and Data Science
- Artificial Intelligence & Machine Learning
- High performance Computing
- Grid and Cloud Computing
- Parallel and Distributed System.
- Cryptography - Information Security & Web Mining
- Sensors, Networks, Devices, Computational Intelligence

3. Aeronautical Engineering

- Electric and Hybrid Aircraft Power Generation System
- Advanced Space Propulsion Technologies (eVTOL)
- Advanced Materials for Lightweight Aerospace Parts
- Micro UAV's and its Applications
- Low Carbon-emission Aviation Concept

4. Civil Engineering

- Geo-environment / Environmental & Water Resources Engineering
- Structural Engineering
- Construction Tech & Management

5. Mining Engineering

- Optimization of Blasting Parameters in Surface Mining
- Deterioration and Spontaneous Heating of Coal in storage
- Ventilation system in Underground coal mining
- Advancement of Shovel-dumper combination

Guidelines To Authors

Authors are required to submit manuscript/research papers original and unpublished work not exceeding 5000 words with figures and tables.

- Title of Paper in MS Word Times New Roman font (Size 16 points) and single spacing.
- Author's name in MS Word Times New Roman font (Size 12

points) and single spacing.

- Abstract/paper in MS Word in Times New Roman (Size 12 points) in single spacing.
- Abstract should briefly include the purpose of study, methods, result and conclusion. At the bottom of the page, please indicate page number. Page should be submitted by email to - icaeiatt2023@matsuniversity.ac.in.

Lodging & Boarding Arrangements

- Accommodation can be booked in Hotels and Lodges at reasonable rates. Specific request may be made in advance to arrange accommodation.

Link for Registration

- <https://forms.gle/XmvpP7mMzEzzZDPZ9> Scanned copy of registration form along with payment detail must be mailed to registration.ic2023@matsuniversity.ac.in.

Registration Fee

The registration fee includes the registration kit, certificate & lunch on conference days.

Registration fee is to be paid through online only.

1.	Industry Professional	Rs. 2500
2.	Faculty Members & Ph.D. Scholars	Rs. 2000
3.	PG Scholars	Rs. 1000
4.	UG & Diploma Students	Rs. 500

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The selected full-length paper will be published in SCOPUS indexed journal on payment of additional charges. All the abstracts will be published in the form of conference proceedings / book of abstract with ISBN. Soft copy of conference proceedings / book of abstract will be provided to all the participants.

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