



ICERI 2023

8th International Conference on Engineering Research and Innovations

21st & 22nd September-2023 | Virtual Conference

Organized by:



In association with



About College

Terna Public Charitable Trust's (TPCT) Terna Engineering College(TEC) is one of the well-known and premium technical institutions, with 'A' Grade from Government of Maharashtra having ISO 9001 quality management system and is among the top Colleges in Mumbai. It is located at Nerul, Navi Mumbai on a beautiful 3 acre campus. TEC is one of the premier institutes of technical education and offers a stimulating educational environment, with distinguished faculty members and state-of-the-art facilities. The institute is affiliated to University of Mumbai, approved by AICTE and has been awarded accreditation by National Board of Accreditation (NBA). TEC offers 8 UG, 4 PG and 4 Ph. D. Highest quality education is catered by TEC with curriculum extension by means of exceptional offerings like Engineering Products and Innovation Center (EPIC), Remote Center of IIT Bombay and MNIT Jaipur which facilitated student / faculty members to interact with IIT professors through video conferencing, Industry Institute Partnership Center (IIPC), Electronics club (collaboration with 25 local electronics SMEs), e-Yantra Embedded Systems and Robotics Lab, Apple lab, Texas Instruments Lab etc.

About IFERP:

IFERP is a forum and non-profitable organization where innovations & research interest could be supported and developed prioritizing our mutual interest. Our forums & Associates constitutes of Professional leaders, Universities, Organizations & Associations connecting each other with a mission to work as wizards of science for defending the earth.

IFERP strengthens the professionals collective voice through strong leadership, promotion of the highest standards and recognition of technical excellence. IFERP supports the professional growth of its members by providing opportunities for professional networking, life-long learning, and career development. IFERP will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions

IFERP connect engineers, exchange global innovation and act as a bridge between Researchers & Academicians by organizing,

- ◆ International Conferences
- ◆ World Conferences
- ◆ Faculty Development Programmes
- ◆ International Workshops
- ◆ Seminars/Guest Lectures
- ◆ Short Term Training Programmes
- ◆ Providing Membership
- ◆ Establishing Chapters



About Conference:

The aim of this conference is to provide an interdisciplinary platform for leading researchers, young engineers, academicians, industrialists and practitioners working in India and rest of the world to disseminate their innovations and contemporary research in the field of Electronics, Electronics and Communication, Mechanical, Mechatronics, Information Technology, Computer Engineering and related fields. The conference will feature traditional paper presentations and key note speeches by eminent speakers who will focus on state-of-the-art development in the field of Automation, Robotics and Information and Communication technology. The scope of EQUINOX-2022 is to provide a common platform where researchers, engineers, academicians and practitioners' confluence and cherish their research and innovations and deliberate upon futuristic research along with major bottlenecks.

OBJECTIVE OF THE CONFERENCE:

The conference aims to bring together the leading Academicians, Scientists, Researchers and Research Scholars to exchange and share their experiences and research results over all aspects of Communication, Computing and Industrial Engineering towards sustainable development. The conference aims to convene the experts from various domains to enhance the knowledge about innovative technologies and present new research findings to promote global scientific and community collaborations in synergy with other Professional Associations.

THEME OF CONFERENCE:

Conference revolves around bringing engineering, technology and science research areas synchronically on an indivisible platform. This conference will draw collectively This conference will draw researchers to share their research findings and latest ideas from diverse fields in unitedness, to share their research findings and latest ideas. The main intention of this conference is to integrate interdisciplinary inquiry to deliver the best applications



Organizing Committee:

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Terna Engineering College

Call For Paper

The International Conference on Emerging Paradigms in Communication Engineering - 2023

- ❖ Wireless technologies
- ❖ Antennas and Microwaves
- ❖ Mechatronics Engineering
- ❖ Optical communication
- ❖ Simulation tools
- ❖ MEMS
- ❖ Embedded systems and VLSI
- ❖ Nano Technology
- ❖ Control and Instrumentation
- ❖ Power electronics
- ❖ Solid state devices
- ❖ Image and speech processing
- ❖ Biomedical signal processing
- ❖ Sensors and Imaging
- ❖ Detection and estimation
- ❖ Signal processing
- ❖ Radar & Satellite communication

The International Conference on Recent trends in Mechanical Engineering-2023

- ❖ Manufacturing technologies
- ❖ CAD/CAM/CAE
- ❖ Automation and Robotics
- ❖ Quality and Reliability
- ❖ HVAC
- ❖ Heat and mass transfer
- ❖ IC engines and Electrical vehicles
- ❖ Sustainable manufacturing
- ❖ Logistics and supply chain management
- ❖ CRM and ERP
- ❖ Nano technologies
- ❖ Smart materials
- ❖ MEMS
- ❖ Renewable and Non-renewable energy
- ❖ Non-destructive Testing
- ❖ Industrial Engineering and Management

The International Conference on Recent trends in Information and Computer Technologies-2023

- ❖ Artificial Intelligence
- ❖ Neural network
- ❖ Bioinformatics and scientific computing
- ❖ Big data and Smart cities
- ❖ Computer networks
- ❖ Software engineering and testing
- ❖ Multimedia systems
- ❖ Data warehouse and data mining
- ❖ Cloud computing
- ❖ IOS technology
- ❖ Network security and cyber security
- ❖ Next generation network
- ❖ Usability engineering
- ❖ Biometrics /forensic /disaster recovery and management

The International Conference on Recent trends in Civil Engineering-2023

- ❖ Structural Engineering
- ❖ Geotechnical Engineering
- ❖ Transportation Engineering
- ❖ Environmental Engineering
- ❖ Water Resources Engineering
- ❖ Town Planning and Infrastructure

Call For Paper

The International Conference on Recent trends in Mechatronics-2023

- ❖ Automation and Industry 4.0
- ❖ Robotics
- ❖ Mechatronic Assistive Systems
- ❖ Vehicular Mechatronic Systems
- ❖ Digital Design and Manufacturing
- ❖ Artificial Intelligence for Robotics
- ❖ Haptic Interfaces and Interaction

The International Conference on Recent trends in Design-2023

- ❖ Design Education
- ❖ Design in Society
- ❖ Designed Objects
- ❖ Visual Design
- ❖ Design Management and Professional Practice
- ❖ Architectonic, Spatial, and Environmental
- ❖ Design

Important Dates :

EarlyBird Registration:

14th JULY 2023

Abstract Submission:

20th JULY 2023

Full Paper Submission:

27th JULY 2023

Registration Deadline:

03rd August 2023



Abstract Submission Guidelines

A one-page abstract should be prepared in the following format :

- ◆ Use word document while submitting the abstract
- ◆ Use 12 point Times New Roman for the main text and smaller fonts may be used for figure captions.
- ◆ The width of each line should not exceed 17.5 cm or 7.0 inch.
- ◆ Start the first line leaving a space of 2.5 cm or 1.0 inch on the upper side.
- ◆ The Title, Author's Names, and Affiliations should all be centered.
- ◆ Insert one blank line between the Affiliations and the main text.
- ◆ Main text should be fully justified with single spacing.
- ◆ Use bold face with bigger fonts for the Title but not for Authors, Affiliations, and the main text.
- ◆ Please underline the presenting Author.
- ◆ Leave a space of at least 2.5 cm or 1.0 inch on the bottom of the text. Page numbers will be printed there.

Full Paper Submission Guidelines

Each Paper has to be broken down into the following three sections when you submit :

- ◆ Background, Motivation and Objective
- ◆ Statement of Contribution/Methods
- ◆ The width of each line should not exceed 17.5 cm or 7.0 inch.
- ◆ Results, Discussions and Conclusions
- ◆ Total number of pages must be 6-8 in double column format
- ◆ In addition, the total number of characters excluding spaces, Title, Author Names, and Affiliations.

Guidelines for presentation

- ◆ Consider the sequence and relevancy of your slides. A current slide should build a path to next slide.
- ◆ Use graphs and charts to illustrate your prominent points. They will help the audience to clearly understand the content
- ◆ Make it simple. Too much fancy graphs and charts with huge data and numbers will confuse the audience. Don't use flash, gif images and fancy colors. The audience will only remember those effects, not your message. Make it simple!
- ◆ Use the 6-6-6 rule: (maximum 6 words per bullet, maximum 6 bullets per slide, and maximum 6 text slides in a row). The fewest words with effective imagery will have the most powerful effect
- ◆ Use high-contrast, easy-to-read fonts that are common to most computers. Do not use ALL CAPS, italics, and other enhancements that clutter and distract. A good guideline is a minimum of 30-point font

Steps to Present Effectively

- ◆ Please follow the guidelines below to make your presentation effective. The tips below will help you to keep the audience interested throughout your presentation.
- ◆ Form a story: Try to tell a story rather than give too much of information. Organize your thoughts, develop a good transitions between slides
- ◆ Use visual aids: Visual aids such as slides attract and hold an audience's attention and help to reinforce what you say as well as help you keep on track with your presentation. You need to keep things visuals – and your remarks – simple and easy to read and understand.
- ◆ Kick off start: Start the presentation with some eye-opening facts from your findings. One good way to get the audience's attention is to start with a question.
- ◆ Make the case relevant to the audience: Make your points in presenting your findings to the audience. The more relevant your presentation is to the audience the more interested they will be.
- ◆ Reduce your introduction: The session chair will introduce you and save time for important points.
- ◆ Never read from your slides: Your audience will be reading your slides. Support them with more clarifications.
- ◆ Never read from your slides: Your audience will be reading your slides. Support them with more clarifications.
- ◆ Practice speaking: Practice as much as possible and consider the time you are given. You will only have 15 – 20 min. use it wisely, fully and effectively. The more you practice, the more comfortable you will be.
- ◆ Avoid jargon: Using more specific words may reduce the audience's interest. Especially when speaking about your institute's/company's processes.
- ◆ Give priority to your findings: Give priority to your findings and outcomes. Reduce the time that you spend on background.

All the accepted papers of the "8TH INTERNATIONAL CONFERENCE ON ENGINEERING RESEARCH AND INNOVATIONS, ICERI' 2023" proceedings series will be submitted to the Web of Science Book Citation Index (BkCI) and to SCOPUS for evaluation and indexing.

Note: For more details regarding the publication feel free to contact us in Call/WhatsApp @+91 9342924767 or drop an email to info@iceri.in

Publications in Journals

The Engineering Technology Open Access Journal could also be a colossal online journal publication that deals with all varieties of Engineering Technology.

The IFERP journals embrace transmission, subject area, Management in Engineering, design, manufacture, performance validation, and application of high exactness machines, instruments, and parts.

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