terna
Knowledge to Empower

Equinox 2020
Engaging Minds, Empowering Success

EQUINOX-2020

5th International Conference on Engineering Research and Innovations

19th - 20th March, 2020

Organized by

TPCT's TERNA ENGINEERING COLLEGE
NERUL, NAVI MUMBAI

In Association with

IEEE BOMBAY SECTION

INDIAN INSTITUTION OF INDUSTRIAL ENGINEERING

COMPUTER SOCIETY OF INDIA
ESTD. 1965
सर्वे भवन्तु सुखिनः

ABOUT INSTITUTE

Terna Public Charitable Trust's 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 7 UG, 4 PG and 3 PhD courses. Highest quality education is catered by TEC with curriculum extension by means of exceptional offerings like Engineering Products and Innovation Center (EPIC), Remote Centre of IIT Bombay & MNIT Jaipur which facilitates 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. We are a diverse, talented community united by passion for learning and innovations. TEC inspires students to contribute to the progress of a harmonious and sustainable world through the pursuit of knowledge.

ABOUT THE CONFERENCE (EQUINOX-2020)

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-2020 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.

TOPIC OF INTEREST FOR SUBMISSION INCLUDE, BUT NOT LIMITED TO

Track-1: Electronics Engineering and Electronics & Telecommunication Engineering

- Wireless Technologies
- Antennas and Microwaves
- 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 and Satellite Communication

Track-2: Mechanical and Mechatronics Engineering

- 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

Track-3: Information Technology and Computer Engineering

- Artificial Intelligence
- Neural Network
- Bioinformatics and Scientific Computing
- Big Data and Smart Cities
- Computer Networks
- Software Engineering and Testing
- Multimedia Systems
- Data Ware House and Data Mining
- Cloud Computing
- iOS Technology
- Network Security and Cyber Security
- Next Generation Networks
- Usability Engineering
- Biometrics / Forensic / Disaster Recovery and Management

CONFERENCE SPONSOR AND EXHIBITION OPPORTUNITIES

Sponsorship for the conference will provide the sponsors unique opportunity to increase their visibility and to promote their products to highly specialized and influential community.

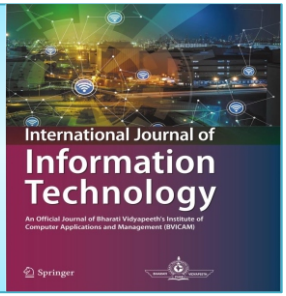
The following options of *sponsorships* are available (For more details refer conference webpage).

PLATINUM SPONSOR-Rs. 75,000 or above
DIAMOND SPONSOR-Rs. 50,000
GOLD SPONSOR-Rs. 25,000

PUBLICATION

Selected papers presented at the conference will be sent to International Journal of Information Technology, **Published by Springer Nature,** ISSN: 2511-2104 (Print Version), ISSN: 2511-2112 (Electronic Version).

For detail instructions / guidelines please visit: http://ternaengg.ac.in/equinox2020



IMPORTANT DATES

Last Date of Full Paper Submission: 31st January, 2020

Acceptance Notification: 20th February, 2020

Submission of Camera Ready Paper: 1st March, 2020

Last Date of Registration: 5th March, 2020

REGISTRATION FEES

At least one author/co-author must register to attend the conference.

Categories	Non IEEE/CSI/IIIE Members	IEEE/CSI/IIIE Members
Foreign Authors	150 USD	100 USD
Industrialists	5000 INR	4000 INR
Academicians/Scientists	3500 INR	2800 INR
Students/ Research Scholars	2500 INR	1800 INR
Accompanying Person/Attendees without presenting the paper	1500 INR	1200 INR

An author with more than one paper will be charged Rs. 1000 for every additional paper. Students/ Research scholars should provide a proof of their status from the University/Institution to claim the student rates.

Registration fees of papers published in IJIT (Springer) will be reimbursed.

PAYMENT DETAILS

Authors can do registration through "NEFT/RTGS".
Beneficiary Name: Principal, Terna Engineering College, Nerul.

Bank: Union Bank of India
SB A/C No.: 564301010000360
IFSC Code:UBIN0556432
MICR Code:400026124
Branch Nerul (West)
Pin code 400706

VENUE OF THE CONFERENCE

Auditorium, Terna Campus, Nerul, Navi Mumbai

ACCOMODATION

Accommodation will be arranged in nearby hotels on request. However, expenses will be borne by the participants.

Terna Public Charitable Trust's

TERNA ENGINEERING COLLEGE

An 'A' Grade NBA Accredited, ISO 9001 Institution

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EQUINOX 2020

5TH INTERNATIONAL CONFERENCE ON ENGINEERING RESEARCH AND INNOVATIONS

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I would like to: (a) Present paper at the conference ☐

(b) No. of Accompanying members, if any ☐

(c) Attend the conference without presenting the paper ☐

Title of the paper:_____

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Please send a copy of payment receipt to **equinox2020@ternaengg.ac.in**

For any query, please contact:

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