IETE CHENCON 2022

International Conference on Power of Artificial Intelligence and Machine Learning for Human Empowerment

May 20 & 21, 2022
Hybrid Mode

Call for Papers

About IETE

Founded in 1953, the Institution of Electronics and Telecommunication Engineers (IETE) is a leading professional society. Its vision is to reach the unreached and empower the youth through Technical Education and Skill development with a Mission for Advancement of Electronics, Telecommunication, Information Technology & other related disciplines; to contribute in Nation's Human Resource & Infrastructure Development through our Engineers & Scientists. The Government of India, Ministry of Science and Technology, Department of Scientific & Industrial Research has recognized IETE as a Scientific and Industrial Research Organization (SIRO).

Scope of The Conference

Recently, the use of AI/ML technology has been exponentially increasing in our daily lives. AI/ML applications represent an important evolution in computer science and data processing that is quickly transforming a vast array of domains. IETE CHENCON 2022 provides vibrant opportunities for the delegates to exchange new ideas, applications, practical challenges encountered and to leverage AI and ML technologies. The technical program of the conference will consist of invited key note talks and paper presentations. IETE CHENCON 2022 accepts technical paper presentation from research scholars, faculty, students and industry professionals in emerging areas of AI and ML applications but not limited to:

Track - 1: AI Enabled Technologies

- Advanced Robotics
- Intelligent Drones and UAVs
- Natural Language processing
- Speech Recognition
- Image Processing
- Conversational systems
- Image analysis
- Computer vision
- Face and Gesture Recognition
- Object recognition
- Document analysis
- Earth observation and Visualization
- Weather and Climate prediction
- Localization Techniques
- Ethical and Responsible AI

Track - 2: AI/ML Infrastructure

- Enhanced data visualization
- Data preparation
- Data labeling
- Big data
- Edge devices
- Cloud ML platform
- Digital health and well being
- Prediction/Detection of diseases
- AI for Effective treatment/therapy
- 3D imaging and sensing
- ML/AI for autonomous systems
- AI and ML for Healthcare
- AI and ML Pandemic tracking
- AI and ML for Virtual learning
- Physics inspired ML

Track - 3: Emerging Applications of AI in Communication

- AI/ML in the PHY Layer
- AI and machine learning for 5G
- Propagation at mm Waves and THertz
- Beyond 5G & 6G communications
- New modulation and coding techniques
- Antenna array processing
- AI/ML for wireless/optical/satellite networks
- Reconfigurable Intelligent Surfaces
- Detection, Localization
- Radio Network Traffic Prediction
- Mobility Analytics
- Smart Communications
- MIMO and Multi antenna Beamforming
- Microwaves and Antenna
- THz Sensing and Spectrum

Track - 4: Industry Applications of AI

- Factory automation
- Autonomous driving and V2X
- Internet of Things Analytics
- Cryptography
- Energy Management and Analytics
- Smart farming environments
- Quantum Computing
- Cybersecurity
- Cryptocurrencies
- Smart Cities Based on IoT and AI
- Industry 4.0
- Underwater Technologies
- 6G, Augmented /Virtual Reality
- VLSI designs of AI implementations
- AI/ML Chipsets

Submission Guidelines

Prospective authors are invited to submit full papers describing original, previously unpublished, complete work in four pages in A4 IEEE double column conference template, including figure, results and references. Submitted papers will be reviewed by two to three technical committee or reviewers. Accepted and registered papers of IETE CHENCON 2022 will be published in the conference proceedings. Extended versions of the accepted and presented papers will be recommended for publication in IETE Journals, SCOPUS, SCI and other indexed journals. Authors must submit the papers through their Easy chair account using the following link: https://easychair.org/conferences/?conf=ietechencon2022 or submit the papers to the Email ID: chencon2022@gmail.com

Registration Fee & Details

At least one author for each paper should register for the conference. If an author has more than one accepted paper, registration fee has to be paid for each Paper ID.

IETE members including ISF	: Rs. 1500 + GST
Non-IETE members	: Rs. 2500 + GST
International Participants	: $50

Important Dates

Last date for paper Submission:	06.05.2022
Notification of Acceptance:	10.05.2022
Registration on or before:	15.05.2022
Conference Dates:	20.05.2022 & 21.05.2022

For more details please visit: http://ietechennai.in/events.html

Selected and presented papers will be published in the Journal of Science and Technology (ISSN 2456–5660)

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