

INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

(ESTABLISHED BY GOVT. OF DELHI VIDE ACT 09 OF 2012)

ISO 9001:2015 CERTIFIED UNIVERSITY

KASHMERE GATE, DELHI-110006

WOMEN EDUCATION | WOMEN ENLIGHTENMENT | WOMEN EMPOWERMENT

5th INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND SPEECH TECHNOLOGY AIST 2023

26th - 27th December, 2023

www.aistconference.com

After the grand success of four versions of International Conference on Artificial Intelligence and Speech Technology (AIST2019, AIST2020, AIST2021 and AIST2022), Indira Gandhi Delhi Technical University for Women, Delhi is all set to ready for hosting its fifth version i.e. 5th International Conference on Artificial Intelligence and Speech Technology (AIST2023) on 26-27th December, 2023 at IGDTUW Campus, Delhi. Last four Conference witnessed a number of Expert Researchers, Academicians and Industry Practioners in AI and Speech Domain from premier Institutions in India and abroad including Japan, Australia, France, Germany, Hungary, Czech Republic, Myanmar, Uzbekistan, Austria, Vietnam and others.

ABOUT IGDTUW

Indira Gandhi Delhi Technical University for Women (IGDTUW) was established by the Govt. NCT of Delhi in May, 2013 vide Delhi Act 09 of 2012, as a non-affiliating University to facilitate and promote studies, research, technology, innovation, incubation and extension work in emerging areas of professional education among women, with focus on engineering, technology, applied sciences, architecture and its allied areas with the objective to achieve excellence in these and related fields.

IMPORTANT DATES

Paper Submission: 15th September, 2023
Acceptance Notification: 30th October, 2023
Registration: 30th November, 2023
Conference Dates: 26th - 27th December, 2023

CALL FOR PAPERS

Papers are invited in these tracks:

Track 1 - Machine Intelligence

Track 2 - Computer Vision and AI

Track 3 - NLP and AI

Track 4 - Spoken Language Processing

Track 5 - Speech Recognition

Track 6 - Trends and Applications in Speech Technology

TUTORIAL SESSION

Hands-on Sessions by Renowned Researchers

- Tools and Techniques for Speech Processing and Database Development
- Deep Learning and Machine Learning models for NLP and Speech

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PUBLICATION



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All accepted and presented papers of the conference by duly registered authors will be submitted to Springer CCIS for Publication.

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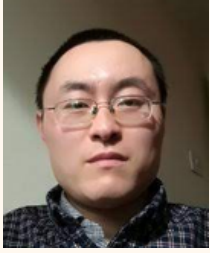
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TRACKS



MACHINE INTELLIGENCE

- Computational Theories of Learning
- Neuro-informatics
- Cognitive Science
- Supervised /Unsupervised learning
- Convolution Neural Network
- Recurrent Neural Network
- Generative Adverse Network
- Applications of ML and Deep Learning
- Robotics
- Cyber Security
- Internet of Things
- Federated learning: the next generation machine learning for regulated domains- Healthcare, Agriculture and Banking

COMPUTER VISION AND AI

- Applications for Multimodal and Multimedia Processing
- Intelligent Robots and Human-Robot Interaction
- Computer Vision and Speech Recognition
- Compressed Sensing (for Speech and/or Image Processing)

NLP AND AI

- Multimodal Information Retrieval
- Multivariate Information Analysis
- Natural Language Processing based tools and Applications
- Text extraction and Topic classification
- Name Entity Processing
- Sentiment analysis
- Chatbots

SPOKEN LANGUAGE PROCESSING

- Speech-to-Speech Translation
- Spoken Dialogue Systems
- Spoken Language Recognition and Understanding
- Speech and Language Resources – Data Collection, Transcription and Annotation
- Computational Resource Constrained Speech

SPEECH RECOGNITION-SIGNAL

- Speech Analysis, Representation and Models
- Speech Enhancement
- Text to speech synthesis
- Affective Speech Recognition, Interpretation and Synthesis
- Generate Audio fingerprints
- Automated music tags

TRENDS AND APPLICATIONS IN SPEECH TECHNOLOGY

- Forensic Speech Investigations and Security Systems
- Speaker Recognition in Biometric Systems and Security
- Speech Interface Design and Human Factors Engineering
- Human Computer Interaction
- Assistive Technologies
- Applications of Modelling, Simulation and Verification in Automotive

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