7th International Conference on
Recent Trends in Image Processing and Pattern Recognition

December 19-20, 2024

Indian Institute of Information Technology Bhopal, India
in collaboration with Maulana Azad National Institute of Technology Bhopal, India
and 2AI: Applied Artificial Intelligence Research Lab - University of South Dakota, USA

HYBRID EVENT

ST8: MACHINE LEARNING TECHNIQUES FOR IMAGE, SPEECH & NATURAL LANGUAGE PROCESSING

About Special Track:

The current era of machine and deep learning has done vast improvements in the area of " Image, Speech and Natural Language Processing ". With these improvements, various challenges and issues in these fields have also emerged. The proposed special session will bring together researchers, practitioners, and industry experts to explore these latest advancements and challenges in the fields of Image, Speech and Natural Language Processing. From the development of cutting-edge algorithms for speech and image processing and synthesis to the creation of intelligent systems and sentiment analysis tools, the session will cover a wide range of topics as given below but not limited to

Topics of Interest:

* Image Processing
* Image Security
* Speaker Identification
* Speech Recognition
* Speaker Verification
* Natural Language Understanding (NLU)
* Sentiment Analysis
* Speech Enhancement

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Main Track (RTIP2R-2024)
ST1: Advancements in AI for Image Processing
ST2: AI in Healthcare
ST3: Emotional well-being Digital Twin
ST4: Cross-Modal Information Retrieval using Image and Textual Contents
ST5: Quantum-Enhanced Imaging and ML for Environmental Analysis
ST6: Cyber-Physical Systems Automation for Industry 4.0
ST7: Advancements in Machine Learning and Pattern Recognition for Electrical & Electronics Engineering
ST8: Machine Learning Techniques for Image, Speech and Natural Language Processing
ST9: Transforming Urban Landscapes: Harnessing the Synergy of IoT and Machine Learning for Smart Cities' Data-Centric Evolution

Paper submission: Papers are expected to be within the **5-8 page**. The authors are advised to follow **Guidelines** to prepare their manuscript.

Templates: MS-Word Template or **LaTeX Template**
Note: We recommend using the **LaTeX** template.

Please select ST8: Machine Learning Techniques for Image, Speech and Natural Language Processing from tracks before you begin your submission as shown.

SUBMISSION URL: https://cmt3.research.microsoft.com/RTIP2R2024

TRACK CHAIRS

Deadline: 15/06/2024

Dr. Mohit Dua
NIT Kurukshetra, India

Nidhi Chakravarty
NIT Kurukshetra, India

Dr. Shelza Dua
NIT Kurukshetra, India

PUBLICATIONS

Scopus Indexed

Conference proceedings will be published in **Procedia Computer Science, Elsevier**.
Selected and/or best papers may be extended for journal issues (SCI, Scopus, and DBLP indexed).