



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

ST2: AI IN HEALTHCARE

About Special Track:

Healthcare constitutes a dynamic area of research involving biomedical information, data collection systems, and clinical medicine. It involves theory and application of signal processing and AI techniques for biological data acquisition, segmentation, filtering, modelling, and representation. It can help the physicians in improving the time efficiency of the diagnosis and can also highlight the relevant information present in the biomedical data. This track aims to provide an interdisciplinary forum for sharing information on the representation and analysis of biomedical data using AI techniques to build intelligent clinical support systems.

Topics of Interest:

- * Biomedical Image Processing using AI
- * Biomedical Signal Processing using AI
- * Medical Image Retrieval
- * Healthcare Systems and Applications
- * Data analytics in Healthcare
- * Wearables and AI
- * Intelligent Patient Monitoring Systems

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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 4–6 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 **ST2: AI in Healthcare** from tracks before you begin your submission as shown.

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

TRACK CHAIRS

Deadline: 30/05/2024



Dr. Amit Singhal
NSUT, India



Dr. Megha Agarwal
JIIT Noida, India



Dr. Pushpendra Singh
JNU, India

PUBLICATIONS

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).

Scopus
Indexed

For any query, please contact at amit@nsut.ac.in

<http://www.rtip2r-conference.org/2024/>