



# 7<sup>th</sup> 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

## ST4: CROSS-MODAL INFORMATION RETRIEVAL USING IMAGE AND TEXTUAL CONTENTS

### About Special Track:

Cross-Modal Information Retrieval (CMIR) is a multidisciplinary research area focused on retrieving and integrating information across different modalities, such as text, images, audio, and videos. The primary goal of CMIR is to develop techniques and methodologies that enable efficient and meaningful retrieval of information when the query and relevant data reside in different modalities. CMIR extends the traditional information retrieval paradigm to address the challenges posed by the heterogeneous nature of multimedia data. The special session aims to address the unique challenges and opportunities associated with retrieving information across different modalities.

### Topics of Interest:

- \* Deep Learning for CMIR
- \* Cross-Modal Embeddings
- \* Cross-Modal Fusion Techniques
- \* Adversarial Attacks and Robustness
- \* Cross-Modal Embeddings and Representation Learning
- \* Multimodal Information Integration

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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 **ST4: Cross-Modal Information Retrieval using Image and Textual Contents** from tracks before you begin your submission as shown.

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

## TRACK CHAIRS

Deadline: 30/05/2024



Dr. Avinash Chandra Pandey

*PDPM IIITDM Jabalpur, India*



Dr. Ashish Kumar Tripathi

*MNIT Jaipur, India*



Dr. Durgesh Singh

*PDPM IIITDM Jabalpur, 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 [avish.p@iiitdmj.ac.in](mailto:avish.p@iiitdmj.ac.in)

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