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- Dr. Robin Singh, MIR Lab Gwalior, India

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- Prof. Gyan Prakash, ABV-IIITM, India
- Dr. Somesh Kumar, ABV-IIITM, India
- Prof. Manisha Pattanaik, ABV-IIITM, India
- Prof. Rajendra Sahu, ABV-IIITM, India

## Conference Secretary

Dr. Santosh Singh Rathore, ABV-IIITM, India

### Registration Chairs

- Dr. Amrendra Singh Yadav, ABV-IIITM, India
- Dr. Anuraj Singh, ABV-IIITM, India
- Dr. MK Dash, ABV-IIITM, India

# **Special Session Chairs**

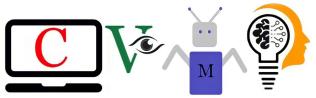
- Dr. Santosh Singh Rathore, ABV-IIITM, India
- Dr. Amrendra Singh Yadav, ABV-IIITM, India

#### Important Dates (All times in IST)

Full paper submissions: July 31, 2023, 23:59 IST (Extended) Research paper notifications: September 15, 2023, 23:59 IST Camera-ready submission: November 20, 2023, 23:59 IST

For any queries kindly reach general chairs or email at

# CALL FOR PAPERS



# The Second International Conference on Computer Vision and Machine Intelligence CVMI - 2023

10-11 December, 2023

Jointly organized by ABV-IIITM Gwalior, India and University of the Ryukyus, Japan

## About

The present world is witnessing rapid advancements in the field of Information Technology, specifically, in the areas of Computer Vision and Machine Intelligence, cherished by the society and industry. The amount of Research and Development activities across the globe has been drastically scaled up from the past few decades in these research areas. Hence, the second international conference on Computer Vision and Machine Intelligence (CVMI) 2023 is organized at Atal Bihari Vajpayee Indian Institute of Information Technology and Management (ABV-IIITM), Gwalior, Madhya Pradesh, India from 10 to 11 December 2023. The first version of the CVMI was organized by IIIT Allahabad in 2022. This conference is meant for researchers from academia, industries and research & development organizations all over the globe interested in the areas of computer vision, artificial intelligence, optimization, machine learning algorithms, and related applications. It will put special emphasis on the participations of PhD students, Postdoctoral fellows and other young researchers from all over the world. It would be beneficial to bring together a group of experts from diverse fields to discuss recent progress and to share ideas on open questions. The conference will feature world-class keynote speakers in the main areas.

### Conference Topics:

CVMI-2023 welcomes high-quality, original, and previously unpublished submissions in computer vision and machine intelligence. Topics of interests for the CVMI-2023 conference include, but not limited to, the following:

#### Track 1: Image and Video Processing

- · Image/video processing
- Image/video synthesis
- Image Enhancement/Super Resolution / Restoration
- Image/ Video Retrieval
- Remote sensing, Multispectral/Hyperspectral image Processing
- Segmentation and Shape Representation
- Image/Video Scene Understanding
- Medical Image and Video Analysis
- Stereo Vision
- **Document Image Analysis**
- Image and Video Matching

#### Track 2: Biometrics and Security

- Biometrics. Forensics. Content protection
- Face, Iris, Emotion, Sign Language and Gesture Recognition
- Action and Event Detection/Recognition
- Motion and Tracking
- Vision-based Human GAIT Analysis
- · Image/Video Security

- Track 3: Artificial Intelligence Applications
- Computational Intelligence **Optimization Techniques**
- Explainable Al
- Value Al
- Robotic Intelligence
- Data Intelligence
- Multimedia Intelligent Systems
- Document and Synthetic Visual Processing
- Transfer Learning
- Multi-task Learning
- **Evolutionary Algorithms**
- **Graph Convolutional Networks**

#### Track 4: Autonomous and Intelligent Systems

- **Brain-Computer Interaction**
- IoT based Intelligence
- Light-weight Intelligent Systems
- Hardware Realization of Intelligent Systems
- Robustness of Intelligent Systems
- Adversarial Intelligent Systems
- Autonomous Learning Paradigm

# **Submission Guidelines**

Prospective authors are invited to submit full-length original research papers. In submitting a manuscript to CVMI-2023, authors acknowledge that no paper substantially similar in content has been or will be submitted to another journal, conference or workshop during the review period. In such a case the paper will be rejected without review. Papers must be electronically submitted before the deadline expires without exception. The paper must not exceed 6 pages in length (including all text, figures, and references). The paper must not exceed 6 pages in length (including all text, figures, and references). However, authors can add up to 2 extra pages with the appropriate fee payment per page. The manuscript must be submitted in pdf format only and the file size of your manuscript should not exceed 10 MB. CVMI-2023 follows single blind review process. Authors must use the manuscript template as follows: Overleaf, LaTeX or Word. The manuscript has to be uploaded online at the ICCVMI-2023 Microsoft Research paper submission portal using the following link: https://cmt3.research.microsoft.com/ICCVMI2023.

The proceedings of the conference will be published by IEEE (Scopus indexed). Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Any paper selected for presentation but not physically present at the conference will not be published by IEEE.