

2024 the 10th International Conference on Communication and Information Processing

Lingshui, Hainan, China / November 14-17, 2024

Track 9

Computer Vision, Virtual Reality and Augmented Reality

Computer vision (CV) is one of the fundamental technologies for immersive virtual reality (VR) and augmented reality (AR) systems, in which cameras are often used to capture the real-world information. Sensor-captured imaging and related intelligent processing algorithms support 3D reconstruction, scene understanding, gesture recognition, eye tracking, object detection and tracking, etc., all of which contribute to creating a more realistic, interactive and fascinating virtual world.

This track is open to multidisciplinary research on the convergence of CV, VR and AR. It covers original research articles, reviews, and communication surveys in the described domain that include but are not limited to the following topics:

- Deep learning in image processing
- Image segmentation
- Object detection and recognition
- Vision-based tracking and sensing
- Pose estimation
- Human-computer interaction
- 3D reconstruction and computer graphics
- SLAM
- Scene understanding
- Augmented reality
- Emerging VR/AR applications and systems based on CV technologies

Special Session Organizer(s):



Hai Huang
Beijing University of Posts and Telecommunications



Ming Meng
Communication University of China

Submissions

Submit method: <http://iccip.org/submission.html>

Submit full paper/abstract via online system: <https://www.zmeeting.org/submission/iccip2024>

Publication

ICCCIP 2024 is to publish latest & high-quality research works on communication and information processing in theoretical and practical aspects. Submitted paper will be peer reviewed by conference committees. The accepted paper will be included into ICCIP 2024 Conference Proceedings, which will be archived in the ACM Digital Library, and indexed by Ei Compendex and Scopus

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