



Special Issue on Computer Vision and Applications

Call for Papers

Computer Vision and Applications is a field of artificial intelligence that enables machines to interpret and understand visual information from the world, mimicking human vision. This interdisciplinary domain encompasses algorithms and techniques for image processing, object recognition, and scene understanding. Applications range from autonomous vehicles and facial recognition to medical imaging and augmented reality. By leveraging machine learning and deep learning, computer vision enhances automation, improves decision-making processes, and creates innovative solutions across industries, including healthcare, robotics, and entertainment.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on **Computer Vision and Applications**. Potential topics include, but are not limited to:

- Image and vision computing
- Image processing
- Image segmentation and recognition
- Image classification
- Object detection and recognition
- Motion analysis and tracking
- Facial recognition and analysis
- 3D vision and reconstruction
- Action recognition
- Optical character recognition
- Visual search and retrieval
- Augmented and virtual reality
- Event detection and understanding
- Autonomous vehicles and robotics
- Machine vision
- Vision and language intelligence
- Medical imaging and analysis
- Computer vision for industry 4.0
- Vision-based intelligent systems

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).



Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Computer Vision and Applications**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	February 12th, 2025
Publication Date	April 2025

Guest Editor: Dr. Lei Xu (Karolinska Institute, Sweden)

For publishing inquiries, please feel free to contact the Editorial Assistant at submission.entrance1@scirp.org

JCC Editorial Office
jcc@scirp.org