Transformers in Computer Vision

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Message from the Guest Editors

Dear Colleagues,

Currently, state-of-the-art research in computer vision is heavily focused on deep learning approaches, particularly significant breakthroughs in various tasks based on transformer architecture. Additionally, image and video analysis is a popular area of research, with many recent developments in action recognition, video segmentation, and activity detection. Another important area of research is 3D reconstruction and scene understanding, which involves creating 3D models of objects and scenes from 2D images. Finally, computer vision for autonomous systems, is also an active area of research, with ongoing work on object detection, scene understanding, and motion planning.

Topics include but are not limited to:

1. Transformer architectures for object detection and recognition
2. Transformer-based face applications, such as face recognition systems and multiple-object tracking systems.
3. Transformer-based approaches for image segmentation
4. Transformer-based models for video analysis and action recognition

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Special Issue

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Message from the Editor-in-Chief

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