



New Trends in Computer Vision, Deep Learning and Artificial Intelligence

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Message from the Guest Editors

Dear Colleagues,

In the past decade, deep learning algorithms have dominated in speech, computer vision, and natural language processing, and AI applications have been everywhere in our daily lives. Identifying ways to extend AI capabilities to tasks with limited data available and other complex tasks will be particularly important for the next decade.

The purpose of this Special Issue is to gather a collection of articles reflecting new trends in computer vision, deep learning, and artificial intelligence. Topics include but are not limited to the following:

1. Deep learning with limited data;
2. Unsupervised deep learning technology;
3. Deep learning for 3D vision;
4. Neural rendering and its applications;
5. Deep learning for efficient detection and segmentation;
6. Deep learning for video understanding;
7. Deep learning for language-vision tasks;
8. Deep learning for visual affective computing;
9. Deep learning for medical image analysis;
10. Deep learning training acceleration;
11. Big AI models;
12. Industrial AI applications.





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Message from the Editor-in-Chief

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