

# Topic



## Visual Computing and Understanding: New Developments and Trends

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Deadline for abstract submissions:

**30 December 2024**

Deadline for manuscript submissions:

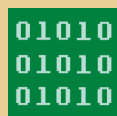
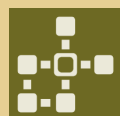
**30 March 2025**

### Message from the Topic Editors

We as humans have to handle massive amounts of visual information in our daily lives. As a result, there has been recent growing interest in the advancement of artificial intelligence-based perception and analysis algorithms in the field of computer vision and image processing. Despite significant successes in visual computing and understanding in recent years, new developments and trends in the methods in which these achievements are made are still in their infancy.

The aim of this topic is to progress this field by collecting research on both the theoretical and applied issues related to advances in visual computing and understanding. All interested authors are invited to submit their manuscripts on (but are not limited to) the following topics:

Image/video acquisition, fusion, and generation; coding, restoration, and quality assessment; classification, segmentation, and detection; Deep learning-based methods for image processing, video processing, and analysis; computer vision methods for 3D models; Intelligent vision methods for autonomous driving systems; Robotic vision and its applications; Biomedical vision analysis and applications; Advances in visual computing theories.



Participating journals

*Applsci, Computers, Electronics, Information, Imaging*