

Special Issue

Visual Text Recognition and Understanding

Message from the Guest Editor

Visual text is a high-level special object, containing rich semantic information. Recognizing text from images or videos plays a significant role in the real world, such as the digitization of documents, the monitoring of specific information in cyberspace, traffic sign recognition, etc. Great progress has been made in recent years.

Especially with the fast development of deep learning, more applications based on text recognition from the image and videos are realizable. The extension of visual text recognition from the simple text to the complex background and the complicated-shaped text is still full of challenges. Meanwhile, text-based image or video understanding (e.g., visual key information extraction, retrieval, visual question answering, image/video description) is becoming a hot topic, drawing great attention of scholars in the communities of computer vision, multimedia and document analysis. In addition, the studies for the robustness of text recognition in the adversarial environment and the forgery identification of visual text also become promising research.

Guest Editor

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Deadline for manuscript submissions

15 October 2026



Electronics

an Open Access Journal
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Impact Factor 2.6
CiteScore 6.1



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