Special Issue

New Technologies in Digital Media Processing: When Computer Vision Meets Natural Language Processing

Message from the Guest Editors

With the rapid development of deep learning technologies, existing computer vision (CV) theories have been widely and successfully used in many applications, such as city security, automatic drive, face recognition, computer-aided medical diagnosis, and remote sensing. Meanwhile, the critical objective of natural language processing (NLP) is to understand word-based data in relation to semantics. Thus, the application scope of NLP is somewhat different from that of conventional image processing, leading to a clear gap between them. Additionally, the advancements in deep learning tools in the NLP community are lagging behind the CV field. In fact, increasing evidence has illustrated the value of mature deep learning-related solutions and multi-modality data fusion. Consequently, we believe that more research should consider how the CV community can benefit from progress in NLP. This Special Issue will bring together researchers in both CV and NLP and share the latest research and technical progress on multi-modality-related applications, bridging the gap between these two research fields. We welcome all submissions which cover both CV and NLP.

Guest Editors

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Deadline for manuscript submissions

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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