Special Issue

Deep Learning-Based Scene Text Detection

Message from the Guest Editors

Scene text detection has emerged as a critical task within computer vision, driven by the growing demand for automated understanding of textual information in images. This capability has become increasingly important in applications such as autonomous driving, document analysis, video surveillance, and augmented reality, where extracting textual data from diverse, cluttered, and dynamic environments is essential. Deep learning techniques have substantially improved the accuracy and robustness of scene text detection, and these advances have made it possible to detect text across various challenging real-world scenarios. Despite these improvements, scene text detection still presents several challenges. Complex backgrounds, occlusions, and variations in text appearance often impair detection accuracy. To address these challenges, research has focused on improving the adaptability and efficiency of scene text detection models. This Special Issue serves as a platform for researchers worldwide to share their work and recent advancements in deep learning-based scene text detection.

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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.

Editor-in-Chief

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