Special Issue

New Advances in Visual Object Detection and Tracking

Message from the Guest Editors

In the realm of computer vision and AI, numerous tasks have taken shape over the years. Notably, visual object detection and tracking (VODT) has emerged as a pivotal area with a multitude of challenges, spurred by the rapid proliferation of its applications across domains such as video surveillance, robotic vision, autonomous vehicles, object-of-interest tracking, indoor navigation, smart airport security, unmanned stores, and more. VODT confronts a spectrum of hurdles including illumination discrepancies, swift object movements, and detection and tracking performance enhancement, as well as the intricate aspects of dealing with occlusions among objects. Constantly in pursuit of quasi-optimal solutions and heightened accuracy, ODT continually expands its horizons in search of advancements. This dynamic landscape demands both pragmatic technical methodologies and theoretical underpinnings concerning object tracking. Promising pathways that lead to success in this vibrant realm of research are the core focus of our forthcoming Special Issue, dedicated to exploring ODT techniques and their diverse applications. With great enthusiasm, we invite you to contribute to this endeavor.

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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 guestedited by leading experts in selected topics of interest.

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