Special Issue

Multi-Modal Image Processing Methods, Systems, and Applications: 2nd Edition

Message from the Guest Editors

Multi-sensor systems are widely deployed for various real-world applications, thereby further enhancing the visual perception of machines by obtaining multi-modal images. Multi-modal images enable a more accurate and robust detection in vision tasks, such as object detection and segmentation, image fusion and enhancement, object tracking and positioning, etc. At the same time, various real-world applications are easier to accomplish with the use of multi-modal images, such as autonomous driving, industrial defect detection, robot control, and remote sensing inspection. This Special Issue calls for original and innovative methodological contributions to tackle the issues of multi-modal image processing. These papers may cover all areas of multi-modal vision tasks, from fundamental theoretical methods to the latest innovative multi-sensor system designs. Topics of interest include the detection and recognition of multi-modal images, multi-modal industrial applications, autonomous driving, robot vision and control, remote sensing data processing, etc. Critical reviews and surveys of multi-modal images and multi-sensor systems are also encouraged.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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