Special Issue

AI Interpretation of Satellite, Aerial, Ground, and Underwater Image and Video Sequences

Message from the Guest Editors

In recent years, artificial intelligence (AI) techniques have supported the development of a wide range of algorithms and methods to understand and interpret complex visual information coming from satellite, aerial, ground, and underwater image and video sequences. These algorithms and methods are hence used to implement smart applications able to support different areas of interest such as Earth observation at local and global scales. The main aim of this Special Issue is to collect the most innovative works in image and video processing, independent of the specific acquisition device, in the support of practical and concrete problems in the civil and military fields. The Special Issue is not limited to RGB cameras, like static or PTZ, but it is open to any kind of acquisition device able to provide visual information that can be processed and interpreted by AI techniques such as 3D cameras, time-of-flight (ToF) cameras, structured-light cameras, thermal cameras, light detection and ranging (LiDAR) sensors, side-scan sonars (SSSs), radio detection and ranging (RADAR), and so on; even data ensemble and/or data fusion systems will be considered.

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2022)

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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