

Special Issue

Image Fusion and Registration for High-Resolution Image Processing

Message from the Guest Editor

Image registration and fusion algorithms are essential for processing techniques in applications that require integration of information, such as medical image analysis, remote sensing, or surveillance. In these applications, high-resolution, multi-temporal, and multi-sensor data are often used. This brings new challenges, since most of the traditional registration and fusion algorithms fail when the resolution increases significantly. The high dimensionality of the acquired data increases the complexity of processing, and the design of adequate algorithms and architectures is required. The aim of this Special Issue of *Electronics* is to present state-of-the-art investigations related to image registration and fusion for high-resolution processing. The topics of interest include, but are not limited to:

- Novel fusion and registration algorithms for high-resolution images
- Advanced information processing and architectures for high-resolution images
- Image registration and fusion for super resolution
- Resolution-enhanced image fusion and registration methods
- High-quality reviews of fusion and registration algorithms for high-resolution images

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About the Journal

Message from the Editor-in-Chief

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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