Image Registration

Guest Editor:

Prof. Arthur Ardeshir Goshtasby
Department of Computer Science and Engineering, Wright State University Dayton, OH 45435, USA

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Message from the Guest Editor

The ability to register images of a scene is often required in the analysis of medical, remote sensing, and industrial images. The process makes it possible to: 1) find changes in the scene occurring between the times the images are obtained, 2) combine/fuse information in the images and create a richer source of information that facilitates analysis of the images, and 3) recover the geometry of the scene from the geometric relation between the cameras capturing the images.

Various approaches to image registration have been proposed, making automatic registration of some images possible. Frequently, images are found that cannot be registered with exiting methods. This Special Issue is aimed at identifying new methods that can register images previously not possible to register, and bringing to light specialized methods that improve the speed and accuracy of existing methods.

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Special Issue

Editor-in-Chief

Prof. Dr. Raimondo Schettini
Department of Informatics,
Systems and Communication,
University of Milano-Bicocca,
viale Sarca, 336, 20126 Milan, Italy

Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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