Topical Collection

Traditional and Machine Learning Methods to Solve Imaging Problems

Message from the Collection Editors

The proposed Topical Collection aims to gather original research articles and reviews on these two approaches to solving imaging problems, including combined methods aiming to provide a better solution. We welcome papers presenting results from theory to experimental practice in various application fields, especially those promoting critical comparisons between traditional and learning methods, revealing their strength and weakness. Submissions may cover different application fields, such as biomedical imaging, microscopy imaging, remote sensing, etc., with potential topics of interest including but not being limited to:

- Image deblurring;
- Image denoising;
- Image reconstruction from projections;
- Image inpainting;
- Image segmentation;
- Image classification and detection;
- Application in biomedical imaging;
- Application in super-resolution microscopy;
- Application in healthcare;
- Application in (your field of research!);
- Other related areas.

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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

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