

Special Issue

Methodologies and Applications of Image Understanding in Cultural and Artistic Heritage

Message from the Guest Editors

This Special Issue is dedicated to challenges in terms of methodology and application, that emerge when computational methods are used to study, analyze, and interpret images in the context of art and culture. What does it mean to understand an image? The application of computational methods, such as object detection, segmentation, or classification, to images is usually motivated by the need to solve a particular problem. In the context of computer vision and deep learning, these methods are usually applied to general-purpose image datasets (ImageNet, MS Coco, etc.) or domain-specific image datasets (medical, satellite, traffic, etc.). Images related to art or cultural heritage may also represent another type of domain-specific image dataset. However, understanding an image becomes a much more complex task if we aim to integrate computational approaches of image understanding with the methodological and theoretical frameworks of traditional disciplines dedicated to the study of images in art and culture. This Special Issue invites contributions that address different aspects of image understanding with the common goal of bridging cross-disciplinary gaps.

Guest Editors

Dr. Eva Cetinic

Digital Society Initiative, University of Zurich, Rämistrasse 69, 8001 Zurich, Switzerland

Dr. Sinem Aslan

Department of Historical Studies, University of Milan, Via Festa del Perdono 7, 20122 Milano, Italy

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Journal of Imaging
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jimaging@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Raimondo Schettini

Department of Informatics, Systems and Communication, University of
Milano-Bicocca, viale Sarca, 336, 20126 Milano, Italy

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