



Image Enhancement, Modeling and Visualization

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Message from the Guest Editors

The current, wide diffusion of new technological devices. In this framework, image enhancement, vision modelling and novel visualization techniques and devices are important key factors. One of the challenges is to automatically integrate and process the multimedia data collected by the new-generation devices in order to provide high-quality information. To this aim, modern image enhancement methods and visualization techniques are at the base of this research: They must account for the application at hand, for the physical, hardware characteristics of the acquisition device, and especially for different, often multi-dimensional features, including, for instance, color, distance, time information, or even non-visual cues, like textual labels or audio.

There is an actual need for supporting these emerging novel techniques with more effective vision models. The scientific community has known since the 1970s that human vision is a spatial process, now it is time to take advantage of this knowledge for the next generation of image enhancement and visualization techniques.





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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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