



Mobile Camera-Based Image and Video Processing

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Deadline for manuscript submissions:

closed (15 December 2021)

Message from the Guest Editors

We hope that the submitted articles will raise and respond to new issues of mobile camera-based processing and its applications, or represent ongoing research to improve image and video analysis, recognition and understanding methods. The topics of interest include, but are not limited to the keywords below.

- Mobile camera-based acquisition: acquisition protocols, arrays/groups of cameras, the fusion of multiple sensor data
- Camera calibration and pose estimation
- The preprocessing of mobile camera-captured images: deblurring, dewarping, denoising and super-resolution
- Quality assessment: blur assessment, noise assessment, compression quality and readability
- The analysis, recognition and understanding of mobile camera-captured images and videos
- Embedded processing: real-time processing and lightweight approaches
- Interactive approaches: live feedback
- Applications: augmented reality, virtual reality, mobile camera-based forensics and security, mobile document acquisition, and new usages of mobile camera-based images and video
- Datasets and evaluation: challenging datasets, performance evaluation and prototyping tools





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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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