

# Special Issue

## Physics-based Computer Vision: Color and Photometry

### Message from the Guest Editor

Color and photometry are two of the most important attributes of the natural environment. Light is an electromagnetic wave radiated from, for example, thermal sources or emissions caused by a transition from a high energy state to a lower energy state. When light interacts with materials, it reflects, transmits, scatters, polarizes, or is absorbed. Camera sensors and human eyes receive light as a result of complicated physical phenomena. Physics-based vision is a research topic that analyzes physical phenomena in order to extract rich information from the scene. Recent growth of image sensors and computational tools have expanded the field of computer vision. Such innovation in terms of both hardware and software also provide rapid progress in the physics-based vision field. The objective of this Special Issue is to provide opportunities to share new insights with researchers in various fields that will contribute to a future roadmap of physics-based vision. Papers must be original research of novel results or a suitable review of the current state-of-the-art.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 November 2018)



## Journal of Imaging

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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.

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### Editor-in-Chief

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