Special Issue

Emerging Domains in Computational Imaging and Computational Photography

Message from the Guest Editor

The rapid evolution of computational imaging and computational photography has revolutionized how we capture, process, and interpret visual information. By synergizing advanced algorithms, novel optical designs, and data-driven methodologies, these fields are transcending the traditional boundaries of imaging systems. Recent advancements in deep learning, neural rendering, and physics-inspired models have further accelerated progress, enabling unprecedented capabilities in image reconstruction, enhancement, and semantic understanding.

This Special Issue invites contributions that explore cutting-edge methodologies, interdisciplinary applications, and theoretical insights in computational imaging and photography. Topics of interest include, but are not limited to, image reconstruction/analysis, physics-informed neural networks, generative models for image synthesis, computational optics, and ethical considerations in AI-driven imaging.

Guest Editor

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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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