

Special Issue

Image and Video Forensics: Progress and Challenges

Message from the Guest Editors

In recent years, the exponential growth of multimedia content across social media has raised concerns regarding authenticity, manipulation, and trust. With the rapid proliferation of consumer electronics and high-quality digital imaging devices such as smartphones and digital cameras, multimedia content can now be captured and shared with unprecedented ease. Simultaneously, breakthroughs in generative artificial intelligence (AI) and deep learning have enabled the production of highly realistic synthetic media, including deepfakes, which pose serious challenges to information integrity, privacy, and security. As a result, the development of robust image and video forensic techniques has become increasingly crucial for verifying authenticity, detecting manipulation, and tracing the provenance of digital content.

This Special Issue aims to explore the latest progress, emerging challenges, and future directions in image and video forensics. We invite innovative contributions that propose novel algorithms, benchmark datasets, evaluation methodologies, and applications that enhance our understanding and capabilities in detecting and preventing multimedia manipulation.

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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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