Deepfakes, Fake News and Multimedia Manipulation from Generation to Detection

Guest Editor:

Dr. Zahid Akhtar
Department of Network and Computer Security, State University of New York Polytechnic Institute, Utica, NY 13502, USA

Deadline for manuscript submissions:
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Message from the Guest Editor

 Topics of interest of this Special Issue include, but are not limited to:

- The generation of DeepFakes, face morphing, manipulation and adversarial attacks;
- The generation of synthetic faces using ML/AI techniques, e.g., GANs;
- The detection of DeepFakes, face morphing, manipulation and adversarial attacks, including generalizable systems;
- The generation and detection of audio DeepFakes;
- Novel datasets and experimental protocols to facilitate research in DeepFakes and face manipulations;
- The formulation and extraction of DeepFake devices, platforms and software/app fingerprints;
- Face recognition systems (and humans) against DeepFakes, face morphing, manipulation and adversarial attacks, including their vulnerabilities to digital face manipulations;
- DeepFakes in the courtroom and on copyright law.

Special Issue

Editor-in-Chief

Prof. Dr. Raimondo Schettini
Department of Informatics,
Systems and Communication,
University of Milano-Bicocca,
viale Sarca, 336, 20126 Milan, Italy

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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