Special Issue

Computer Vision and AI in Orthopedic Surgery

Message from the Guest Editors

Computer vision and Artificial Intelligence (AI) are emerging as key technologies in computer-assisted orthopedic surgery and have recently led to breakthroughs in performance and autonomy. In the years ahead, these technologies will emerge as the most important lever to aim to improve quality, efficiency, and outcomes of surgical care. However, there are significant scientific and technical challenges that we need to overcome.

In this Special Issue we call for original articles, review articles, concept papers, as well as preclinical and clinical studies that demonstrate the benefits and challenges of computer vision and AI in orthopedic surgery.

Guest Editors

Prof. Dr. Philipp Fürnstahl

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Dr. Sergey Prokudin

Deadline for manuscript submissions

closed (31 January 2024)

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.

Editor-in-Chief

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