Special Issue

Advanced Image and Video Processing Technology for Healthcare

Message from the Guest Editors

The rapid advancement of technology has led to an exponential increase in the volume of medical image and video data being generated, enabling significant progress in diagnostics, treatment planning, monitoring, and surgical guidance. Effectively analyzing and utilizing this information requires innovative image and video processing techniques. This Special Issue aims to highlight the latest research and innovations in image and video processing for medical applications, with a focus on enhancing healthcare efficiency. We welcome contributions on topics including, but not limited to, the following:

- Medical Image and Video Processing in Healthcare
- Machine and Deep Learning in Medical Imaging
- Augmented and Virtual Reality (AR/VR)
- Computer-Aided Diagnosis (CAD)
- Telehealth, Remote Sensing, and Mobile Health (mHealth)
- Data Security and Privacy in Medical Imaging
- Integration with Electronic Health Records (EHR)
- Multimodal Foundation Models for Image and Video Understanding

Guest Editors

Dr. Hwayoung Cho

Department of Family, Community and Health System Science, College of Nursing, University of Florida, Gainesville, FL, USA

Dr. Rui Yin

Division of Biomedical Informatics, University of Florida, Gainesville, FL, USA

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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