## **Special Issue**

## Latest Trends and Disruptions for Diagnostic Imaging and Image Guided Procedures and Therapies

## Message from the Guest Editors

Medical Imaging (MI) modalities will further improve using advanced signal processing methods. This will affect the workflow and value of MI for diagnostic evaluation and, with that, will possibly change therapy responses. Minimally invasive therapies depend on MI for accurate tool and device guidance, but often the modalities used for the initial diagnostic assessment are not available for the subsequent therapy procedure. Preoperative-to-interoperate image fusion is needed, which additionally requires navigation and image segmentation and merging software.

There are many novel approaches suggested to combine real-time or preoperatively acquired imaging information with other signals and modalities that could not only add valuable information but also could help develop significantly cheaper and easier to use devices for a point-of-care approach.

This Special Issue focuses on some of the latest developments in computer-aided procedures for medical imaging used for diagnosis as well as for use during image-guided therapy procedures.

#### **Guest Editors**

Prof. Dr. Michael Friebe

- 1. Biomedical Engineering Faculty, AGH University of Science and Technology, 30-059 Krakow, Poland
- 2. Founding Director, Center for Innovation, Business Development & Entrepreneurship, FOM University of Applied Sciences, 45127 Essen, Germany

### Dr. Alfredo Illanes

Faculty of Medicine, SURAG, Otto-von-Guericke-University, 39120 Magdeburg, Germany

## Deadline for manuscript submissions

closed (31 December 2023)



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

mdpi.com/journal/applsci





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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 multidimensional 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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