

Special Issue

Recent Progress in X-Ray Medical Imaging and Detectors

Message from the Guest Editors

On the wave of major technological innovations, X-ray medical imaging devices are undergoing an epochal revolution that promises a consistent impact on clinical practice. The introduction of innovative detectors aiming at reducing noise and costs, at improving spatial resolution, and at discriminating the energy of the X-ray photons is unveiling new perspectives and possibilities in the analysis of the produced images. At the same time, innovative sources are feeding new ideas, opening a brand-new class of applications that potentially mitigate limitations of conventional apparatuses. This is framed by the introduction of innovative software methodologies, such as AI and in silico medicine, which are revolutionizing the acquisition, processing, analysis, and reporting of medical imaging, and by the development of innovative X-ray sources that may shape the characteristics of the new apparatuses. This Special Issue aims to bring together manuscripts on cutting-edge technologies and methodologies that are revolutionizing X-ray medical imaging.

Guest Editors

Dr. Antonio Sarno

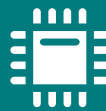
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