

Special Issue

Advances in Computer Assisted Tomography: New Technologies for Improving Biomedical Image, Sensor and Signal Processing

Message from the Guest Editors

Computer-assisted tomography includes well-established techniques that generate detailed internal images of human body such as CT and MRI scans. It is an important tool with many applications including in medical diagnosis, biological studies and therapeutic decision-making processes. Powered by recent advances in sensor technology, computer vision, machine learning, artificial intelligence and big data, the field is poised for expansive development that will significantly improve the accuracy and efficiency of recognizing, classifying and segmenting high-risk health indicators. Progress in these areas should assist physicians and radiologists in achieving more accurate medical diagnosis and better clinical outcomes for their patients. Topics of interest for this Special Issue include: functional CT and MR imaging; advanced techniques for CT and MR and artificial intelligence-powered CT / MR analysis.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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