Computed Tomography: Technological Developments, Methods and Applications

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Message from the Guest Editors

Dear Colleagues,

The Special Issue provides a comprehensive overview of the evolving landscape of computed tomography (CT), highlighting recent advancements in technology, methodological innovations and varied applications. As such, works pushing the boundaries of CT technology, emphasizing improvements in image resolution, acquisition speed and diagnostic precision will be particularly welcome. The Special Issue extends a specific invitation for contributions focusing on innovative methodologies, including advancements in image reconstruction, segmentation and informative 3D visualization strategies. Moreover, the Special Issue aims to reveal the broader range of applications for CT, encompassing traditional fields such as biomedical imaging, as well as emerging domains such as industrial inspection, material science and geology.

- computed tomography
- imaging methods
- reconstruction techniques
- image segmentation
- 3D visualization
- diagnostic techniques
- biomedical imaging
- geological tomography
- non-destructive analysis

Special Issue

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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.

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