Special Issue

Signal Processing and Image Analysis Techniques for Lung Ultrasound Imaging

Message from the Guest Editors

This special issue focuses on the challenges we have to face if we are to make use of the full potentials of ultrasound technologies when applied to the lung. Contributions are welcome on the design, development and testing of automated artifact detection algorithms, dedicated signal processing and image analysis approaches, as well as on the fabrication of lung-mimicking phantoms, and on the clinical and safety aspects of LUS.

Guest Editors

Dr. Libertario Demi

Department of Information Engineering and Computer Science, University of Trento, 38122 Trento, Italy

Dr. Gino Soldati

Diagnostic and Interventional Ultrasound Unit, Valle del Serchio General Hospital, Lucca, Italy

Deadline for manuscript submissions

closed (15 December 2019)

MDPI

About the Journal

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

Author Benefits

Open Access:
free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:
indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:
JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)