



Advance in Digital Signal Processing and Its Implementation

Guest Editor:

Prof. Dr. Doru Florin Chiper

Department of Applied
Electronics and Intelligent
Systems, Technical University
Gheorghe Asachi, 700506 Iasi,
Romania

Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editor

This Special Issue on “Advances in Digital Signal Processing and Its Implementation” in the journal Applied Sciences aims to gather the most up-to-date industrial and academic research achievements within the most important developments on DSP and its implementations. Additionally, it aims to underline advances in this area, as well as to provide insights into the theoretical and practical problems related to recent discoveries in this field from different points of view. Topics of interest for this Special Issue include but are not limited to:

- New DSP algorithms and applications;
- New adaptive/learning algorithms;
- Signal processing methods for multimedia applications;
- Signal processing methods for IoT applications;
- Signal processing methods for medicine;
- Tensor based signal processing;
- Sparsity-aware DSP algorithms;
- VLSI signal processing;
- Signal processing methods for an efficient implementation;
- Optimization of the VLSI implementation of multimedia blocks;
- Low-power circuits and systems for DSP applications.





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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