

## Special Issue

# Advances in Digital Signal Processing: New Applications and Efficient Implementations

### Message from the Guest Editor

This Special Issue focuses on papers that demonstrate how these design challenges can be overcome using innovative solutions. Topics of interest for this Special Issue include but are not limited to:

- 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;
- Efficient adaptive/learning algorithms (low complexity/fast versions, optimized parameters, etc.);
- Tensor-based signal processing (efficient decomposition methods, low-rank approximations, etc.);
- Sparsity-aware algorithms.

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### Guest Editor

Prof. Dr. Doru Florin Chipser

Faculty of Electronics, Telecommunications and Information Technology, "Gheorghe Asachi" Technical University of Iasi, Iasi, Romania

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### Deadline for manuscript submissions

closed (20 December 2024)



## Applied Sciences

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## 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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