

## Special Issue

# Digital Twin Technology: New Frontiers for Personalized Healthcare

### Message from the Guest Editors

The aim of this Special Issue of *Electronics* is to gather cutting-edge research in the field of “digital twin” for future applications. We invite researchers to contribute original and unique articles, as well as sophisticated review articles in the field of medical imaging (ultrasound, optical, photoacoustic, X-ray, nuclear, magnetic resonance, etc.) and image processing, computational fluid dynamics, and artificial intelligence. Topics of interest include, but are not limited to the following areas:

- New sensors and detector technologies;
- Wearable devices;
- Algorithms for fast image acquisition and reconstruction;
- Multimodal medical image analysis and fusion;
- Signal and imaging integration;
- 3D virtual models;
- 3D printing;
- Augmented reality and virtual reality;
- Finite element analysis;
- Computational fluid dynamics;
- Modelling and analysis;
- Machine learning;

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### Guest Editors

Prof. Dr. Luigi Landini

Dr. Vincenzo Positano

Dr. Maria Filomena Santarelli

Dr. Simona Celi

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### Deadline for manuscript submissions

closed (31 March 2022)



## Electronics

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*Electronics*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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### Author Benefits

#### High Visibility:

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

#### Journal Rank:

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).