

## Special Issue

# Latest Trends and Advancements in Data Converter Design

### Message from the Guest Editors

The scope of this Special Issue covers the latest trends and developments in the design of data converters. Analog signals, converted into digital signals, are the basis for the operation of all kinds of systems, both measurement and information technology. Data converters are used in all areas of life, including the automotive, aerospace and other industries, quality control, smart building, IoT, medicine. Today, in the era of rapidly developing technology, including IOT, it is difficult to imagine a device that is not based on a microcontroller or other digital programmable circuit. The transition between the world of real analogue signals and the digital world, used in the ubiquitous Internet, is possible thanks to various types of data converters. The purpose of this Special Issue is to collect practical and theoretical scientific articles related to trends and developments in the design of data converters. Sensors are used in both everyday life, biomedicine and telecommunications, in many industries. Advances in this field require the development of new methods for their theoretical basis, as well as algorithms for processing all new signals.

### Guest Editors

Dr. Anna Szlachta  
Prof. Dr. Mykhaylo Dorozhovets  
Dr. Mariusz Trybus

### Deadline for manuscript submissions

closed (15 October 2025)



## Electronics

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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 guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

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