

## Special Issue

# Analysis of Electrical and Electronic Circuits

### Message from the Guest Editor

The proposed Special Issue invites original research papers that report on the state of the art and recent advancements in the analysis of electrical and electronic circuits. The scope covers the fundamentals of electrical and electronic technology, as well as the modern developments in both analog and digital areas. These may include, but are not limited to, mixed-mode circuits, symbolic analysis of analog circuits, A/D converters, analog and digital filters, signal processing, signal detection and processing circuits, remote sensing and detection circuits, neural networks, switching circuits, and wireless charging. In addition, this Special Issue also invites the latest research on emerging technologies, such as artificial intelligence (AI), related fields, and the integration of hardware and software technologies.

---

### Guest Editor

Prof. Dr. Reza Hashemian

Department of Electrical Engineering, Northern Illinois University,  
DeKalb, IL, USA

---

### Deadline for manuscript submissions

closed (30 June 2025)



## Journal of Experimental and Theoretical Analyses

---

an Open Access Journal  
by MDPI



[mdpi.com/si/227535](https://mdpi.com/si/227535)

*Journal of Experimental and  
Theoretical Analyses*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jeta@mdpi.com](mailto:jeta@mdpi.com)

[mdpi.com/journal/  
jeta](https://mdpi.com/journal/jeta)





# Journal of Experimental and Theoretical Analyses

---

an Open Access Journal  
by MDPI



[mdpi.com/journal/  
jeta](https://mdpi.com/journal/jeta)



## About the Journal

### Message from the Editor-in-Chief

The intricate relationship between theory and experiment is the cornerstone of engineering progress. At the Journal of Experimental and Theoretical Analyses (JETA), we are committed to exploring these connections through rigorous and innovative research. The journal is a dedicated platform for presenting pioneering analyses that push the boundaries of what is possible in engineering.

Our journal serves as a crucial nexus where theoretical insights meet experimental validation, advancing the understanding of complex engineering phenomena. The comprehensive exploration of these topics not only contributes to academic knowledge, but also leads to practical applications that address real-world engineering challenges.

---

### Editor-in-Chief

Prof. Dr. Marco Rossi

Department of Basic and Applied Sciences for Engineering, Sapienza  
University of Rome, Via A. Scarpa 16, 00185 Rome, Italy

---

### Author Benefits

#### Open Access:

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

#### Rapid Publication:

first decisions in 19 days; acceptance to publication in 4 days (median values for MDPI journals in the first half of 2025).

#### Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and reviewer names published annually in the journal.