electronics

an Open Access Journal by MDPI

IMPACT FACTOR 2.6

CITESCORE 5.3

Chaos and Complex Systems in Sensor Networks

Guest Editors:

Dr. Dmitrijs Pikulins
Institute of Photonics, Electronics and Telecommunications, Riga Technical University, 12 Azenes Street, LV-1048 Riga, Latvia

Prof. Dr. Arturs Aboltins
Institute of Microwave Engineering and Electronics, Riga Technical University, 12 Azenes Street, LV-1048 Riga, Latvia

Deadline for manuscript submissions:
20 January 2025

Message from the Guest Editors

The scope of the Special Issue is interdisciplinary, bringing together experts from various fields, such as computer science, electrical engineering, applied nonlinear dynamics, and communications. The Special Issue is designed to be a valuable resource for researchers, practitioners, and engineers working with sensor networks and to provide them with insights into the latest developments and trends in chaos and complex systems.

The focus of this Special Issue includes, but is not limited to, the following themes:

- The modeling of chaotic systems in sensor networks;
- Chaos-based sensors;
- Chaotic communications;
- Low-power chaotic oscillators;
- Chaos theory in network security and privacy;
- Nonlinear dynamics and predictive modeling in sensor data;
- Fault detection and diagnosis using chaotic systems;
- Control of chaos in distributed sensor networks;
- Adaptive algorithms for robust sensor network design;
- Energy efficiency and optimization in chaotic sensor networks;
- Reviews focusing on chaos and complexity in sensor networks.

electronics

IMPACT FACTOR 2.6

CITESCORE 5.3

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.
Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
𝕏@electronicsMDPI