Special Issue

Application of Time Series Analysis and Forecasting in Computer Science, 2nd Edition

Message from the Guest Editors

Time series analysis and forecasting have become increasingly vital in recent years due to the proliferation of electronics, the Internet of Things (IoT), and advanced smart sensor technologies. These advancements have enabled the collection of vast amounts of time series data across diverse domains such as finance, energy, healthcare, and environmental monitoring. This Special Issue aims to bring together researchers and practitioners working on novel methods and techniques for time series analysis and forecasting. It welcomes contributions across various application domains, including intelligent transportation, geographic information systems, economics, finance, and environmental science. We particularly encourage submissions that highlight cutting-edge advancements in LLM-driven time series analysis, time series foundation models, and their applications in solving real-world problems in these domains. Keywords

- time series analysis
- time series forecasting
- deep learning
- probabilistic forecasting
- forecasting applications
- temporal data modeling

Guest Editors

Dr. Hao Xue

School of Computer Science and Engineering, University of New South Wales, Sydney NSW 2052, Australia

Dr. Du Huynh

Department of Computer Science and Software Engineering, The University of Western Australia, Perth 6009, Australia

Deadline for manuscript submissions

20 August 2025

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/223819

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/journal/electronics

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.

Editor-in-Chief

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

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

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 2.4 days (median values for papers published in this journal in the first half of 2025).

MDPI