

## Special Issue

# Algorithms for Time Series Forecasting and Classification

### Message from the Guest Editors

Time series data plays an important role in various fields, such as finance, meteorology, biomedicine, smart factories, etc. Time series forecasting and classification are key tasks aimed at identifying and predicting trends, patterns, and anomalies in these data. This Special Issue is looking for some advanced algorithms for time series forecasting and classification to promote their development and application in related fields. Potential topics include, but are not limited to:

- Advanced algorithms for time series forecasting and classification, including improved traditional algorithms, machine learning algorithms, etc.
- Feature engineering algorithms for time series forecasting and classification, including feature extraction, dimensionality reduction, and selection improve the accuracy and efficiency of forecasting and classification.
- Case studies of time series forecasting and classification in practical applications.
- Application challenges of time series forecasting and classification algorithms in modeling and representation of time series data with high-noise.

*Assistant*

### Guest Editors

Prof. Dr. Chang-Soo Kim

Department of Information Systems, Pukyong National University,  
Busan 608-737, Rep. of Korea

Dr. Xiao Rui Shao

Department of Information Systems, Pukyong National University,  
Busan 608-737, Republic of Korea

### Deadline for manuscript submissions

closed (20 September 2024)



## Algorithms

an Open Access Journal  
by MDPI

Impact Factor 2.1  
CiteScore 4.5



[mdpi.com/si/175027](https://mdpi.com/si/175027)

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

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





# Algorithms

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.1  
CiteScore 4.5



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



## About the Journal

### Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

---

### Editor-in-Chief

Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-von-Guericke-University, P.O. Box 4120,  
D-39016 Magdeburg, Germany

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases.

#### Journal Rank:

JCR - Q2 (Computer Science, Theory and Methods) /  
CiteScore - Q1 (Numerical Analysis)