



Advances in Time Series Analysis

Guest Editors:

Dr. Ebrahim Ghaderpour

Department of Geomatics
Engineering, University of
Calgary, Calgary, AB T2N 1N4,
Canada

ebrahim.ghaderpour@
ucalgary.ca

Prof. Dr. Quazi K. Hassan

Department of Geomatics
Engineering, Schulich School of
Engineering, University of
Calgary, 2500 University Dr. N.W.,
Calgary, AB T2N 1N4, Canada

qhassan@ucalgary.ca

Prof. Dr. Spiros Pagiatakis

Lassonde School of Engineering,
York University, Toronto, ON M3J
1P3, Canada

spiros@yorku.ca

Deadline for manuscript
submissions:

31 December 2022

Message from the Guest Editors

Time series analysis has recently attracted wide attention in many fields of science, such as remote sensing, hydrology, geodesy, geophysics, astronomy, finance, and medicine. Time series analysis is a very challenging task and often requires pre-knowledge of the data. For example, time series obtained from Earth observation data are often unevenly sampled (equally spaced) and have uncertainties due to various reasons, such as sensor defects and atmospheric effects. Therefore, new techniques that can consider such uncertainties, as well as irregularities in sampling, are highly demanded.

In this Special Issue, we welcome:

- 1) Manuscripts describing applications of the methods mentioned above for analyzing time series obtained from various sensors;
- 2) Manuscripts demonstrating new time series analysis techniques and/or applications of existing methods.

- time series analysis
- wavelet analysis
- forecasting
- trend analysis
- monitoring
- regularization
- non-stationarity





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M.N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access :— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Embase](#), [Ei Compendex](#), [Inspec](#), and many other databases.

Journal Rank: [JCR - Q1](#) (*Instruments & Instrumentation*) / [CiteScore - Q1](#) (*Instrumentation*)

Contact Us

Sensors
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
[@Sensors_MDPI](#)