

Special Issue

Cloud Computing and Big Data Systems: New Trends and Applications

Message from the Guest Editors

Along with the development of IT technologies such as the mobile internet, internet of things (IoT), artificial intelligence (AI), and the meta-universe, the amount of data generated, stored, processed, and analyzed today is growing exponentially. The quantity and complexity of the data continue to increase. In addition, novel big data applications call for the use of less cloud resources and to guarantee platform security during big data processing. To address these challenges, this Special Issue entitled “Cloud Computing and Big Data Systems: New Trends and Applications” welcomes scholars, experts, researchers, and engineers in related areas to submit their contributions, providing new solutions and ideas. The topics of interest include, but are not limited to:

- Novel big data storage and management systems and technologies.
- Novel big data computing frameworks and systems.
- Novel cloud computing and resource scheduling technologies.
- Novel data privacy or security technologies for big data and cloud systems.
- Novel big data and cloud computing applications.

Guest Editors

Dr. Rong Gu

Department of Computer Science and Technology, Nanjing University, Nanjing 210023, China

Prof. Dr. Mande Xie

School of Information & Electronic Engineering, Zhejiang Gongshang University, Hangzhou 310018, China

Deadline for manuscript submissions

closed (31 December 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/152456

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls-ci@mdpi.com

mdpi.com/journal/

[appls-ci](https://appls-ci.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)