Special Issue

Cloud, Fog, and Edge Computing for Smart Environments

Message from the Guest Editors

A smart environment is an advanced environment with dynamic devices, acting together to form an “intelligent entity”. In such environments, the computing power is embedded in the space, then it is very important to investigate the user’s perspective and their interactions with the surrounding world. Several artifacts and components compose a smart environment, but basically, the elements are services, applications, devices, users, a middleware software (or gateway), and the environment itself. In this context, cloud, fog, and edge computing are valid solutions to support data analytic applications, real-time and high-performance computing, and big data storage. Thanks to features such as elastic resource allocation and high computing power, in cloud computing, low latency, better data control and flexible storage system, in fog computing, and no delay data processing, real-time data analysis and low network traffic, in edge computing, these technologies enable effectively addressing most smart environment issues. From this perspective, this SI aims to contribute to the field, presenting the most relevant advances in this research area.

Guest Editors

Dr. Agostino Forestiero

Dr. Manuele Kirsch Pinheiro

Dr. Chendan Li

Dr. Giuseppe Papuzzo

Deadline for manuscript submissions

closed (15 July 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/61736

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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)