



Cloud, Fog, and Edge Computing for Smart Environments

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Message from the Guest Editors

Dear Colleagues,

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.





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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.

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