



Parallel, Distributed and Cloud Computing: Status, Prospects and Future

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Message from the Guest Editors

In the last decade, we have seen the rise of Grid and Cloud Computing environments realized through sophisticated middleware acting as operating systems that oversee the efficient management of resources. More recently, the Internet of Things and Edge Computing environments are aimed at making available in a transparent and friendly way the multitude of low power and heterogeneous resources available everywhere around us.

The aim of this Issue is to collect the current and new trends in the theoretical, fundamental, and application research in High Performance, Parallel, Distributed and Cloud Computing, taking into account all the aspects that have emerged over time as crucial for systems durability, performance maintenance and increasing, energy sustainability and applications range expansion.

We invite researchers to submit their new results as well as reviews about theories, models, methodologies, technologies, algorithms and/or softwares, systems and architectures, in the field of Parallel, Distributed and Cloud Computing, as well as IoT, AI and Machine Learning, Edge Computing.





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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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