

Special Issue

Performance Evaluation in the Era of Cloud and Edge Computing

Message from the Guest Editors

Cloud and edge computing technologies are being used at present to deploy a large variety of sophisticated services and applications characterized by different service level requirements. To satisfy these requirements as well as user expectations, it is necessary to measure, assess, and predict the performance of these complex technological infrastructures and their workloads. The peculiarities of these technologies and variability of the workload intensity and characteristics open new performance challenges, for example, dealing with dynamic resource provisioning under uncertainty, workload forecasting, load distribution, and data-flow scheduling.

Methodologies, techniques, and tools for performance evaluation have to cope with these challenges. This Special Issue is soliciting contributions presenting state-of-the-art, original solutions or case studies in the field of performance evaluation of cloud and edge computing infrastructures and services. Topics of interest include but are not limited to:

- Monitoring;
- Benchmarking;
- Workload characterization;
- Modeling;
- Simulation.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2020)



Future Internet

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Impact Factor 2.8
CiteScore 8.3



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About the Journal

Message from the Editor-in-Chief

Future Internet is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

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