## **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 Prof. Dr. Maria Carla Calzarossa Dr. Marco L. Della Vedova Prof. Dr. Luisa Massari Prof. Dr. Daniele Tessera

### Deadline for manuscript submissions

closed (30 June 2020)



## Future Internet

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 8.3



mdpi.com/si/26691

*Future Internet* Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 futureinternet@mdpi.com

mdpi.com/journal/ futureinternet





# Future Internet

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 8.3



futureinternet



## 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.

#### Editor-in-Chief

Prof. Dr. Gianluigi Ferrari Department of Engineering and Architecture, University of Parma, Parco Area delle Scienze, 181/A, 43124 Parma, Italy

### Author Benefits

### **Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

### **High Visibility:**

indexed within Scopus, ESCI (Web of Science), Ei Compendex, dblp, Inspec, and other databases.

### Journal Rank:

JCR - Q2 (Computer Science, Information Systems) / CiteScore - Q1 (Computer Networks and Communications)