Advances in Edge and Cloud Computing

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Deadline for manuscript submissions:
closed (31 August 2023)

Message from the Guest Editors

Currently, we are witnessing a proliferation of services and applications that are provided at the edge of the Internet. The Internet edge includes traditional access networks, such as wireless local area networks (WiFi), wireless metropolitan area networks (3G, 4G, and 5G), as well as various emerging systems, such as the IoT, smart homes, smart cities, and connected vehicle systems. Although the requirements from edge services and applications are becoming higher and higher, edge devices are still limited in terms of storage size, computation capacity, communication bandwidth, battery life, etc. Recently, the edge computing paradigm, which extends cloud computing to the edge of the Internet, has been proposed to support various services and applications at the edge of the Internet.

In this Special Issue, we invite submissions of original research in various fields closely related to edge and cloud computing, such as fog computing, dew computing, cloudlets, mobile edge computing, multi-access edge computing, edge-computing-assisted intelligence systems, emerging applications with edge computing, IoT systems, smart homes, smart cities, connected vehicles, etc.

mdpi.com/si/96363

SpecialIssue

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Message from the Editor-in-Chief

Network provides full coverage of all topics of interest involved in the networking area. The purpose of this journal is to bring together researchers, engineers, and students from academia and industry to present novel ideas and solid research about the theoretical and practical aspects in the application domains of communications and networks. The primary focus of the journal is on the analysis, modeling, design, simulation, and implementation of networks. This journal will also serve to attract research concerning applying networking architectures and scenarios to emerging research topics such as Internet of Things (IoT), edge computing, distributed ledger technology, among others.

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