Edge Cloud Computing in Telecommunications

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Deadline for manuscript
submissions:
closed (20 March 2022)

Message from the Guest Editors

ECC is a natural evolution of cloud computing, and it is aimed at moving cloud storage and computing functionalities to the network edge closer to end users, i.e., inside the fixed access POPs and in the virtual Radio Access Network (RAN) sites. The efficient dimensioning and positioning of hardware/software platforms for ECC is one of the most important challenges, especially in terms of achievable network efficiency and of the Total Cost of Ownership (TCO). It guarantees the QoE for applications pertaining to several specific vertical sectors.

Potential topics in this Special Issue include, but are not limited to:

  ECC architecture and functionalities;
   ECC-enabled telecommunication infrastructures: design, planning, deployment, and interoperability;
   Operation and Maintenance (O&M);
   Internet-based innovative applications;
   Security issues and management;
   Machine learning and artificial intelligence in ECC;
   Cost models;
   Innovative business models.

Special Issue

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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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