Special Issue

Energy-Efficient Computing and Networking in the 5G Era

Message from the Guest Editor

Current trends in networking foresee the adoption of the 5G by 2020. This technology will allow very high bandwidth and extremely low delay to users. In addition, 5G will trigger the connection of a variety of devices, making the Internet of Things a reality. In this context, the energy consumption of 5G, ranging from backbone to access segments, is becoming a serious challenge for network operators and for content providers. As a result, solutions limiting the energy consumption of 5G networks and computing devices, while allowing an excellent quality of service (QoS) to users, are of mandatory importance. This issue welcomes submissions focusing on the energy-efficiency of 5G, both in networking and computing contexts. In addition, theoretical works, as well as more practical ones, such as test-bed implementations, are encouraged.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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