Special Issue

Intelligent Network Orchestration and Resource Management in 5G/6G Wireless Networks

Message from the Guest Editors

The objective of this Special Issue is to bring together the state-of-the-art research contributions that address challenges in contemporary networks design, dimensioning and optimization towards the 6G networks. Topics of interest include, but are not limited to:

- Vision, key drivers, new services and requirements for 6G
- System and network architectures for 5G/6G
- 5G and beyond towards 6G testbeds and experimentation
- Optical backhauling and hybrid architectures for 5G/6G
- Intelligent radio access network architectures
- Wireless Terahertz technologies
- Spectrum modeling towards 6G
- Next Generation IoT architectures
- Distributed intelligence schemes
- Grant-free transmission techniques in 6G-enabled IoT
- Real-time industrial applications and services
- Self-organizing 6G networks
- Network softwarization
- V2X communications
- Cognitive automation
- Predictive network orchestration and resource management methods
- Security and privacy concepts
- Blockchain-enabled security schemes

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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