

Special Issue

Control Methods to Improve the Sustainability and Energy Efficiency of 5G and Optical Networks

Message from the Guest Editors

Topics accepted in the special issue include (but are not limited to) the following:

- Power consumption models and techno-economic models for optical networks and 5G
- Green optical and 5G networks
- Dimensioning, control and deployment of future optical networks.
- Efficient convergence of 5G radio and optical infrastructures
- Software-Defined Networking (SDN) and Network Function Virtualization in energy efficient networks.
- Network slicing in optical and/or 5G networks
- Artificial intelligence for efficient planning and/or control of optical and/or 5G networks.
- Distributed computing based on Fog/MEC/Cloud hierarchy
- Holistic resource orchestration and management including Fog/MEC/Cloud computing resources.
- Consumption-aware resource management and orchestration

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2021)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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