

Special Issue

Sustainable Wireless Communication: Green Technologies and Energy-Efficient Networks

Message from the Guest Editors

The objective of this Special Issue includes research related to measurement and modelling of the energy consumption and carbon footprint of the various network components and algorithms for allocating the energy usage and carbon footprint among different ICT services (ranging from video platforms and AI chatbots to merged reality applications, massive twinning and situational awareness). Ultimately, hardware, algorithms, protocols, system architectures and services are sought to be re-engineered to be more energy efficient and greener, including sustainability as a design criterion. To achieve this goal, the various actors should also be incentivized, from ICT providers to end users. The insights of this Special Issue will assist in the formulation of pivotal sustainability requirements, in order to shape the green 6G era. We welcome submissions on topics including but not limited to:

- 6G
- wireless networks
- energy efficiency
- carbon efficiency
- Artificial Intelligence
- Machine Learning
- Incentive Mechanisms.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

I would like to introduce the new, online, and open access journal *Telecom*. The purpose of *Telecom* is to publish high-quality research papers as well as review articles that address recent advances in communications technology. We invite researchers to contribute original papers describing applications and experiences in emerging trends of all fields of telecommunications engineering. *Telecom* also welcomes Special Issue proposals from academics and industrial researchers. We aim to facilitate more collaboration between scientists and engineers around the world, such that they will produce their innovative ideas and submit their cutting-edge technologies to *Telecom*. We anticipate the receipt of your contributions to *Telecom*, and we welcome your comments and ideas on how to improve this journal.

Editor-in-Chief

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