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Energy-Efficient Communication Networks and Systems

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Message from the Guest Editor

This Special Issue (SI) aims to serve as a platform for researchers and visionaries from academia, research labs and industry in presenting novelties related to energy efficiency improvements of communication networks and computing systems. Anything from theoretical and experimental achievements to innovative design and management approaches, prototyping efforts and case studies are in the focus of this SI. This SI aims to open new research ways toward more energy-efficient communication networks and computing systems. The topics of interest to this SI include, but are not limited to, the following:

- Green wireless networks
- Green wireline networking
- Energy-efficient data centres
- Green cloud computing
- Energy-efficient sensor and IoT networks
- Energy-efficient industrial communications
- Sustainable networking and computing
- Artificial intelligence (AI) techniques for energy efficiency
- Energy-efficient resource management
- Energy-efficient algorithms and protocols



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Special Issue



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Message from the Editor-in-Chief

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