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Green Radio, Energy Harvesting, and Wireless-Powered Communications for Beyond-5G Wireless Systems

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Message from the Guest Editors

Advanced green radio techniques are being proposed to reduce the overall power consumption of wireless communication systems, including energy efficient transmission/reception design, medium access control, scheduling algorithms, network operation methods, etc. Besides, many promising techniques are currently dedicated to improve the performance of energy harvesting wireless networks such as wireless-powered communication or simultaneously wireless information and power transfer (SWIPT).

The goal of this Special Issue is to disseminate the recent theoretical and practical results in green radio technologies, energy harvesting wireless networks, and wireless-powered communication techniques for beyond-5G wireless communication systems. Review papers on these topics are also welcome. Potential topics include, but are not limited to, the following:

- Green radio techniques
- Energy-efficient wireless communications
- Energy harvesting (EH) techniques
- Energy harvesting wireless communications
- Power transfer
- Wireless-powered communication networks
- Energy management systems



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Special Issue



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Message from the Editor-in-Chief

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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