EURASIP Journal on Wireless Communications and Networking

Special Issue on Green Wireless Communications: Theory and Practice

The objective of this special issue is to present a collection of high-quality research papers that report the latest research advances in the area of green wireless communications and networks, which mainly includes the intelligent control, or efficient management, or optimal design of access network infrastructures, home networks, terminal equipment, and etc.

Communications industry is not only a high-tech one, but also a high-energy-consuming one. With the continuous expansion of networks scale, the numbers of core device, power system, engine room and base station are increasing greatly, which lead to energy consumption seriously. Thus, green wireless communications with the aiming of energy costs and CO2 emissions' reducing, and environment protecting, has become a potential research focus for all the next-generation communications' and networks' designers.

In this special issue, we seek original work on identifying new research and development challenges and developing new techniques and algorithms in green wireless communications and networks.

Potential topics include, but are not limited to:

- The energy-efficient wireless network architecture design
- The energy-efficient protocol design
- The optimal planning of energy-efficient network topology
- The energy-efficient handover in heterogeneous networks
- Low-power circuit board design
- PA-power intelligent control
- Power efficient RFID, sensor communications
- The efficient management of terminal equipment
- Measurement, metrics and profiling of energy consumption in communications
- Test-bed and Prototype Implementation
- Others and emerging new topics
Submission Instructions:

Before submission authors should carefully read over the Instructions for Authors, which are located at http://jwcn.eurasipjournals.com/authors/instructions. Prospective authors should submit an electronic copy of their complete manuscript through the SpringerOpen submission system at http://jwcn.eurasipjournals.com/manuscript according to the submission schedule. They should choose the correct Special Issue in the “sections” box upon submitting. In addition, they should specify the manuscript as a submission to the “Special Issue on Green Wireless Communications: Theory and Practice” in the cover letter. All submissions will undergo initial screening by the guest editors for fit to the theme of the Special Issue and prospects for successfully negotiating the review process.

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Submission Schedule
Manuscripts due: February 20, 2014