



Low Power Consumption and Reliable Wireless Communications for Harsh Environments

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Deadline for manuscript
submissions:
closed (30 June 2022)

Message from the Guest Editors

In this Special Issue, we would like to invite domain experts to share the recent progress and original work in the research and implementation of wireless communication and networking systems in harsh environments. The topics of interest include, but are not limited to, the following:

- Wireless signals: acoustics, optics, magnetic induction, electromagnetic wave;
- Channel modeling, estimation, and characterization in harsh environments: underground, underwater, metallic environments, high temperature and/or humidity;
- Wireless networking solutions: medium access control, routing/forwarding, congestion control, security, self-organized networking;
- Wireless network and system architecture design: prototype, testbed, and platform;
- Wireless communication traffic engineering: traffic modeling, quality of service (QoS);
- Wireless communication supported by emerging IT technologies such as IoT, machine learning, cloud computing, big data;
- Applications of wireless communication and networking systems: environment data collection, video/image streaming, human operator interaction.





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Message from the Editor-in-Chief

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