

## Special Issue

# Low Power Consumption and Reliable Wireless Communications for Harsh Environments

### 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.

[https://www.mdpi.com/journal/electronics/special\\_issues/Wireless\\_Communications\\_Harsh\\_Environments](https://www.mdpi.com/journal/electronics/special_issues/Wireless_Communications_Harsh_Environments)

### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2022)



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

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