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Bluetooth Low Energy: Advances and Applications

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

Dear Colleagues,

This Special Issue aims at collecting high quality research papers and review articles focusing on recent advances in BLE. Original, high-quality contributions that have not been published before and are not currently under review by other journals or conferences are sought.

Potential topics of interest include but are not limited to the following:

- Performance evaluation (e.g., mathematical analysis, simulation and/or experimentation) of BLE networks;
- BLE version-oriented studies (Bluetooth 4.x, Bluetooth 5, Bluetooth 5.1);
- Internet connectivity of BLE devices: 6LoWPAN/6Lo, gateway-based approaches, etc.;
- BLE mesh networking standardization efforts: Bluetooth Mesh (Bluetooth SIG), IPv6 mesh over BLE (IETF), etc.;
- Novel approaches to BLE mesh networks;
- Coexistence of BLE with other wireless technologies;
- BLE beacons;
- BLE-based localization;
- BLE-based opportunistic sensor data collection;
- Innovative applications of BLE in smart home, smart cities, smart transportation, smart agriculture, smart health, Industry 4.0, etc.
- Applications on BLE for combatting COVID-19: parameter monitoring, contact tracing, etc.



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Special Issue



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Message from the Editor-in-Chief

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