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Low-Latency Wireless Communication and Networks for Mission-Critical Applications

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Message from the Guest Editors

The wireless networks or core networks for mission critical applications should take into account processing/computing delay, reliability, topology, packet size, power consumption, energy efficiency and so on. With this challenging study, mission-critical wireless networks are destined for evolution to next-generation networks so that they can be scalable, energy-efficient, and robust. We expect the papers of this Special Issue to serve as valuable references. The scope of this Special Issue includes, but is not limited to:

- Low-power sensor systems and IoT networks with low latencies realizing the tactile Internet;
- Signal processing for low-latency and high-reliability communication;
- Mission-critical applications and protocols using optical wireless communication;
- Energy-efficient system and network design for mission-critical applications;
- Multiple access schemes considering energy consumption and delay constraints;
- Impact of network densification in massive connectivity;
- Designs based on mobile edge computing and network slicing;
- Network optimization using machine learning and game theoretic approaches.



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Special Issue



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Message from the Editor-in-Chief

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