

## Topical Collection

# Applications of Internet of Things Networks in 5G and Beyond

### Message from the Collection Editors

This Topical Collection seeks innovative works on a wide range of research topics, spanning both theoretical and systems research, including results from industry and academic/industrial collaborations, related but not restricted to the following topics:

- Machine learning/AI applications for 5G networks
- Distributed and federated machine learning/AI applications to 5G and IoT domains
- 5G and IoT systems integration
- Security and privacy aspects of 5G and IoT pervasive networks
- 5G and IoT heterogeneous networks
- 5G and IoT use cases and scenarios (e.g., e-health, vehicular networks, transport systems, autonomous driving, logistic management, etc.)
- Age of information in pervasive networks
- Network virtualization systems for 5G and IoT networks (e.g., SDN, NFV, virtual machine placement and migration, network slicing, etc.)
- Service and network planning for IoT and 5G systems
- Edge networking and computation for 5G/IoT domains
- Evolution of 5G and IoT toward 6G and beyond networks
- Full duplex communications in 5G and IoT networks

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## Sensors

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### Message from the Editor-in-Chief

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