



## UAV-Based Technology for IoT

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Deadline for manuscript submissions:

**closed (31 January 2022)**

### Message from the Guest Editors

Dear Colleagues,

As ubiquitous connectivity and long-range radio coverage are required in many emerging Internet of Things (IoT) applications in multidisciplinary fields, supplementing and extending the terrestrial and satellite communication infrastructure is of paramount importance. This ambiguous landscape regarding UAVs and IoT has motivated the present Special Issue, whose aim is to introduce current research activities and prospective solutions towards the evolution of UAV-based IoT technologies. Topics of interest include (but are not limited to) the following:

- Sensor and actuator technologies
- Navigation, detection, and localization systems
- Network architectures and protocols
- Wireless communication technologies, mmWave, MIMO, NOMA, FSO
- Interference and resource management
- Energy harvesting and wireless power transmission
- Trajectory optimization
- Mobile edge computing (MEC)
- Software-defined radio (SDR), software-defined networking (SDN), and network function virtualization (NFV)
- Machine learning and deep learning methods
- Safety, security, and privacy issues
- Prototype results, testbeds, and new applications





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