



Air Base Station-Assisted Communications for Maritime Internet of Things

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Deadline for manuscript submissions:

closed (5 February 2024)



Message from the Guest Editors

Dear Colleagues,

In recent years, a growing number of physical maritime objects have been connected to the Internet at an unprecedented rate, calcifying the idea of the maritime Internet of Things (IoT). In many paradigms of maritime IoT applications, air base stations (ABSs), e.g., unmanned aerial vehicles (UAVs), high-altitude platforms (HAPs), and low-altitude platforms (LAPs), for maritime IoTs have attracted significant attention and have experienced rapid development. Under these circumstances, the seamless integration of ABSs and maritime networks is critical to fully unlock the potential benefits of emerging maritime IoTs use cases, such as smart ports, autonomous navigation, and ocean monitoring systems. Topics of interest include but are not limited to:

- Network architectures and protocols for maritime IoTs;
- Physical-layer security of maritime IoTs;
- Performance analysis of ABS-aided maritime IoTs;
- Mobile edge computing (MEC) for ABS-aided maritime IoTs;
- Spectrum management and multiple access schemes for ABS-aided maritime IoTs;
- Machine learning and AI for enabling fully autonomous ABS-aided maritime IoTs;
- Hybrid satellite-ABS terrestrial maritime IoTs.



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Message from the Editor-in-Chief

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