Special Issue

Air Base Station-Assisted Communications for Maritime Internet of Things

Message from the Guest Editors

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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The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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