

## 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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### Guest Editors

Dr. Dawei Wang  
Prof. Dr. Ruonan Zhang  
Dr. Yixin He

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### Deadline for manuscript submissions

closed (5 February 2024)



## Journal of Marine Science and Engineering

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*Journal of Marine Science and  
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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jmse@mdpi.com](mailto:jmse@mdpi.com)

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*Journal of Marine Science and Engineering (JMSE*, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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