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# Understanding Marine Boundary Layer Characteristics Using Advanced Observation Techniques

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Deadline for manuscript submissions:
**closed (4 January 2022)**

## Message from the Guest Editors

Dear Colleagues,

Over the past few decades, we have witnessed a significant increase in offshore/coastal activities, such as wind farms, offshore oil platforms, etc. Understandably, the proper assessment of marine boundary layer characteristics is of essential importance regarding the implementation of these offshore-based activities. We inviate researhers to contribute original research articles, as well as review articles, focusing on enhancing the understanding of marine boundary layer characteristics. These contributions include recent field observational studies of marine boundary layer using advanced equipment/techniques. We are also interested in reviews with possible future lines of investigations. Topics of interest include, but are not limited to:

- Advancement of atmosphere observation equipment and data processing techniques ;
- Marine boundary layer characteristics ;
- Air-sea interaction;
- Effects of marine boundary layer on offshore/coastal activities;

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## Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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