

## Special Issue

# LEO-Augmented PNT Service

### Message from the Guest Editors

In this Special Issue, we aim to study diverse components that contribute to the LEO-augmented PNT service, including (but not limited to) signal processing and analysis, sensor calibration/validation, and determination and prediction of the LEO satellite orbits and clocks. In addition, this Special Issue aims to explore the possible benefits of the PNT service and its integrity monitoring brought by the LEO mega-constellations, including strategy design, algorithm development, and data analysis based on simulations and experiments. Research areas may include (but are not limited to) the following:

- LEO POD and prediction;
- Integrated LEO-GNSS POD;
- LEO satellite clock analysis and prediction;
- LEO-augmented GNSS positioning and navigation;
- Frequency and time transfer under LEO augmentation;
- LEO signal processing and analysis;
- Integrity monitoring of LEO satellite orbits and clocks;
- Integrity monitoring of LEO-augmented ground-based positioning;
- Quality control of LEO signals;
- Constellation design of LEO satellites;
- Calibration/validation of spaceborne and terrestrial sensors related to LEO satellite signals.

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### Guest Editors

Prof. Dr. Kan Wang

Prof. Dr. Ahmed El-Mowafy

Dr. Xuhai Yang

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### Deadline for manuscript submissions

closed (12 February 2026)



## Remote Sensing

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### Message from the Editorial Board

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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