# Special Issue

# Advances in GNSS/INS Integrated Navigation and Precise Positioning

## Message from the Guest Editor

Advancements in integration techniques have paralleled technological progress, with loosely coupled and tightly coupled approaches emerging as standard methodologies. Loosely coupled integration involves blending the positional and velocity estimates from the GNSS receiver with the INS navigation solution. Conversely, in tightly coupled integration, GNSS raw measurements, including pseudorange and Doppler observables, undergo processing alongside INS measurements through a filtering mechanism. Moreover, the concept of ultra-tight integration has gained prominence, leveraging sophisticated baseband signal processing within GNSS receivers; this is exemplified by digital tracking loops. This Special Issue of *Remote Sensing* seeks to compile cutting-edge research showcasing the utilization of INS/GNSS integration across emerging applications. We welcome submissions that not only explore novel applications but also elucidate recent advancements in integration methodologies. Authors are encouraged to contribute original research and review articles to enrich this discourse at the forefront of navigation technology.

## Guest Editor

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## Deadline for manuscript submissions

closed (30 September 2024)

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### Message from the Editor-in-Chief

*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.

### Editor-in-Chief

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