

## Special Issue

# Autonomous Space Navigation

### Message from the Guest Editors

This Special Issue aims to portray an overview of recent research trends on this matter. It encourages original research contributions and state-of-the-art reviews from academia and industry that focus on innovative technologies, methods and algorithms for autonomous navigation of spacecraft also when orbiting in proximity of other space objects. Potential topics include but are not limited to:

- Technologies, methods and algorithms for autonomous absolute spacecraft navigation, based on the use of GNSS, IMU, star trackers, and other sensors;
- Spacecraft relative navigation and pose determination using GNSS, RF ranging and/or electro optical sensors;
- Autonomous navigation and situational awareness in deep space exploration scenarios (e.g., hazard detection and precise landing);
- Design, integration, and calibration of innovative multi-sensor-based architectures for spacecraft navigation;
- Artificial intelligence and machine learning for autonomous spacecraft navigation.

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### Guest Editors

Dr. Vincenzo Capuano

Dr. Jérôme Leclère

Dr. Javier Tecedor

Dr. Roberto Opromolla

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### Deadline for manuscript submissions

closed (31 March 2023)



## Remote Sensing

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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.

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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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