



Navigation Positioning, Low Orbit Satellites' Signal of Opportunity and Remote Sensing Applications: Cross Fusion and Innovative Development

Guest Editors:

Dr. Jiajia Chen

Aerospace Information Research Institute, Chinese Academy of Sciences, Beijing 100094, China

Dr. Ying Xu

Aerospace Information Research Institute, Chinese Academy of Sciences, No. 9 Dengzhuang South Road, Haidian District, Beijing 100094, China

Dr. Ming Gao

Aerospace Information Research Institute, Chinese Academy of Sciences, Beijing 100094, China

Deadline for manuscript submissions:

closed (15 August 2025)

Message from the Guest Editors

Dear Colleagues,

This Special Issue, "Navigation Positioning, Low Orbit Satellites' Signal of Opportunity and Remote Sensing Applications: Cross Fusion and Innovative Development", aims to explore the intersection of navigation technology, low orbit satellite signals, and remote sensing applications. It focuses on advancements in the cross-fusion of these technologies, promoting innovative solutions for positioning accuracy, signal utilization, and remote sensing capabilities. The issue covers a range of topics, including but not limited to improved positioning algorithms, novel uses of low-orbit satellite signals, and remote sensing techniques that leverage these technologies. By bridging these fields, we seek to showcase cutting-edge research and foster the development of integrated systems that enhance navigation, imaging, and data acquisition for various applications. This Special Issue welcomes contributions demonstrating innovative practices, theoretical frameworks, and case studies highlighting the synergies between navigation positioning, low-orbit satellites, and remote sensing.





Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest edited by leading experts in selected topics of interest.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank: JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[@electronicsMDPI](https://twitter.com/electronicsMDPI)