



Next-Generation Gravity Mission

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Message from the Guest Editors

Dear Colleagues,

During the last two decades, satellite gravimetry has become a new remote sensing technique, providing a detailed global picture of the physical structure of the Earth. With the CHAMP, GRACE, GRACE Follow-On, and GOCE missions, for the first time, mass irregularities and the transport of mass in the Earth system could be systematically observed and monitored from space.

In order to get a complete picture about the state-of-the-art and future developments towards a next generation gravity mission, the aim of the Special Issue is to collect papers addressing the topic from various perspectives.

Themes and articles may cover anything from the mission design down to applications. In particular, contributions may address, but are not limited to the following topics:

- Mission architecture;
- Orbit design for next-generation gravity missions;
- Satellite system concepts;
- Observation techniques and instruments;
- Data processing concepts;
- Simulations and performance analyses;
- Applications in Earth sciences or other disciplines.





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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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