



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

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