Special Issue

Geophysical Applications of GOCE and GRACE Measurements

Message from the Guest Editors

The Gravity field and steady-state Ocean Circulation Explorer (GOCE) was the first satellite gravity gradiometry mission for precise and high-resolution gravity field modelling. GOCE was planned for a lifetime of two years but lived longer and provided valuable information about the Earth's gravity field. Its data have been successfully used for different purposes in Oceanography, solid Earth Geophysics and Geodesy. New theories and applications can still be further developed to extract more information about our planet from this valuable source of data. This Special Issue is organised with the main purpose of promoting geophysical applications of the GOCE data, being published to celebrate 10 years of the end of the GOCE mission (2009–2013). Papers focusing on applications in Oceanography, Geology, and Geodesy are also welcome to this Special Issue.

- Global and local gravity field modelling
- Determination of crustal structure, Moho depth and density contrast
- Elastic thickness modelling
- Ice and sediment thickness
- Lithospheric stress and thermal state
- Oceanographic applications
- Geodetic applications

Guest Editors

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Deadline for manuscript submissions

closed (30 July 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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