



## Planetary Geodesy and Geophysics of Asteroid: Data and Modeling

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Deadline for manuscript  
submissions:

**closed (1 December 2023)**

### Message from the Guest Editors

Dear Colleagues,

The aim of the Special Issue will be to highlight the latest advances, problems, and challenges and to present the latest research results in the field of the geodesy and geophysics of small bodies. It will focus on all aspects of topography, gravity field, rotation modeling, and internal structure as well as thermal evolution. Any research articles related to such topics is encouraged, and review articles are welcome in particular.

Potential topics include but are not limited to the following:

- Precise asteroid topography modeling;
- Precise spacecraft orbit determination and autonomous navigation for the exploration of small bodies;
- Potential improvements in asteroid gravity field modeling;
- Gravity field modeling of comets and asteroids with an irregular shape;
- Potential improvements in the rotation of small bodies with current and future exploration missions;
- The interior structure of asteroids with current geodetic and geophysical constraints;
- The thermal evolution of asteroids with the constraints imposed by recent gravity and topography data.





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