

Call for papers

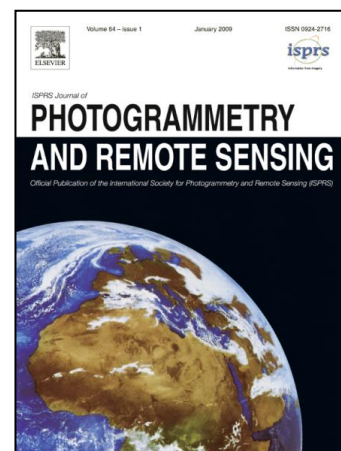
**ISPRS Journal of Photogrammetry and Remote Sensing**  
**Theme Issue**  
**“Planetary Remote Sensing and Mapping”**

**Guest Editors:**

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The past two decades have marked a new era in planetary exploration. The National Aeronautics and Space Administration (NASA) of the United States, the European Space Agency (ESA), as well as space agencies of China, Japan, India, and other countries, have sent their probes to the Moon, Mars, and other planetary bodies in the solar system. Remote sensing and mapping of planetary surfaces are critical for any exploration missions to obtain the primary geodetic data and topographic information to support robotic or manned landing. Planetary remote sensing and mapping also enable scientific research such as the geomorphology and mineral abundance on planetary surfaces. The recent planetary exploration missions have acquired massive remote sensing datasets with higher spatial and spectral resolutions, offering new opportunities to expand our understanding of Earth's Moon, Mars, and other planets in the solar system.



The Theme Issue focuses on the latest developments and innovative methods and applications of planetary remote sensing and mapping arising from recent planetary exploration missions. Submissions are invited on, but not restricted to the following topics:

- 1) Planetary remote sensing techniques and new instrument technologies
- 2) Planetary topographical mapping from photogrammetry, photoclinometry, laser altimetry, etc.
- 3) Planetary geomorphology and geology from remote sensing - methods and recent advances
- 4) Planetary remote sensing data fusion and synergistic use
- 5) Machine/deep learning applied to planetary remote sensing and mapping
- 6) GIS applied to planetary remote sensing data
- 7) Planetary remote sensing data dissemination, formats, and interoperability
- 8) Planetary science and exploration mission planning based on remote sensing data - ongoing and imminent missions

All submissions fitting the scope of this theme issue are welcome. Papers must be original contributions, not previously published or submitted to other journals. Papers published or submitted for publication in conference proceedings may be considered only if they are considerably extended and improved. Substantive research and relevant-for-practice papers will be preferred. Papers must follow the instructions for authors at <http://www.elsevier.com/journals/isprs-journal-of-photogrammetry-and-remote-sensing/0924-2716/guide-for-authors>.

Please submit the manuscript to <https://www.editorialmanager.com/photo> by **October 1, 2023**.

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