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## **B. Space Studies of the Earth-Moon System, Planets, and Small Bodies of the Solar System**

Sub-Commission B1 on Space Related Studies of Small Bodies

Sub-Commission B2 on International Coordination of Space Techniques for Geodesy – a joint Sub-Commission with IUGG/IAG Commission I on Reference Frames

Sub-Commission B3 on the Moon

Sub-Commission B4 on Terrestrial Planets

Sub-Commission B5 on Outer Planets and Satellites

The planetary bodies of the solar system (including the Earth), especially evolutionary, dynamic and structural aspects; planetary atmospheres are included insofar as these are essential attributes of their main body; smaller bodies, including satellites, planetary rings, asteroids, comets, meteorites, and cosmic dust. (Explanatory remarks: The studies of this Commission refer mainly to space studies, especially through the use of space vehicles. The aspects of planetary atmospheric studies to be emphasized are those that relate the atmosphere to the observed surface and the interior of the planet. Structural aspects include geodesy, the observation of planetary figures, where appropriate, and potential fields, including the gravity field.)

- Unifying Planetary System Formation out of Elementary Building Blocks: from Dust, Gas and Ice to our Solar System and Exoplanets
- Human and Robotic Exploration of Moon, Mars, and Asteroids
- Lunar, Mars, and Asteroid Resources
- Technologies for Planetary Research
- Planetary Cubesats and Small Sats
- Planetary Instruments
- Small Body Exploration Science in the New Decade
- Planetary Exploration, Horizon 2061: Report to COSPAR and Discussion
- Asteroids, Friends Or Foe: Planetary Defense and Resources
- Results from the Exploration of the Kuiper Belt by NASA's New Horizons Mission
- Reference Frames
- Lunar Science and Exploration
- Science Enabled by a Lunar Outpost
- Mars Science Results
- Forward planning of Exploration of Mars
- Mars Sample Return
- Venus Science and Exploration
- Mercury: New Results and Future Exploration
- Juno at Jupiter
- Gas Giant Planet Systems
- Ocean Worlds
- Ice Giant Systems
- Current and Future Projects for Exoplanet Detections and Characterization
- The Study of Exoplanet Atmospheres and the Search for Life Outside of the Solar System