

## **The Planet Moon: Opportunities for Space Exploration**

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The next several decades will witness the global exploration and development of the Moon, for the benefit of all humankind. The vast energy and material resources of space are available on the Moon, and those resources can be used to build lunar manufacturing and science facilities, human habitable structures, and global infrastructure networks. The present paper reviews the advantages of the "Planet Moon" as a platform for astronomy and a greatly expanded program of solar system exploration.