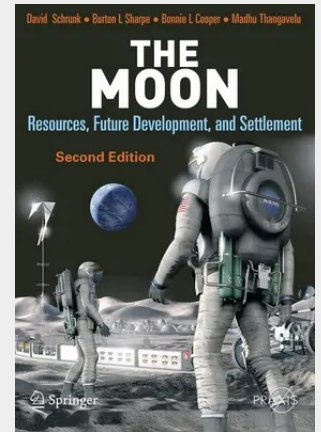


The Moon

Resources, Future Development and Settlement

describes feasible human settlement of the Moon in the coming century. Small scale, tele-operated and autonomous robotic in-situ resource utilization (ISRU) projects are first, followed by electric power, communication, and transportation networks manufactured from lunar resources. These infrastructure networks are field tested and commissioned in the polar regions of the Moon, and permanent human settlements are then established. Through several phases of development, the utility networks grow, and the number of permanently inhabited bases increases to include all areas of interest on the Moon. The book stresses that the envisioned "Planet Moon Project" will link the technological and cultural expertise of humanity to the virtually limitless resources of space. From that beginning, the people of the Earth reap substantial benefits from space, and the human species will evolve into a spacefaring civilization.

The Moon - Challenge and Benefits of Settlement tells the story of the feasible transformation of the Moon into an inhabited sister planet of the Earth in the coming century. This latest edition draws on the latest satellite data to emphasize the power potential and communications advantages of Malapert Mountain in the South Polar region of the Moon, being the optimum location for the establishment of the first lunar base. A colour section depicting graphic images is added in the 2nd edition and the number of appendices are reduced. The book presents a realistic vision of human development and settlement of the Moon over the next one hundred years, and the author explains how global living standards for the Earth can be enhanced through the use of lunar-based generated solar power. From that beginning, the people of the Earth would evolve into a spacefaring civilisation.



69,54 €

64,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780387360553

Medium: Buch

ISBN: 978-0-387-36055-3

Verlag: Humana

Erscheinungstermin: 04.10.2007

Sprache(n): Englisch

Auflage: 2. Auflage 2007

Serie: Springer Praxis Books

Produktform: Kartoniert

Gewicht: 1052 g

Seiten: 261

Format (B x H): 170 x 242 mm

