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A must read for those interested in understanding the origins and future directions of humankind as an emerging spacefaring species

Space Enterprise

Living and Working Offworld in the 21st Century

Philip Robert Harris, Harris International, Ltd., La Jolla, CA, USA

- ▶ Identifies the many challenges of future space exploration and development
- ▶ Discusses critical human factors in the planned industrialisation and settlement of space
- ▶ Explores important commercial, legal and political issues associated with space exploitation
- ▶ Examines the rationale for the utilisation of space technology and resources for the benefit of the human race

For over a half century, human activities in outer space have increased, but the high point was the Apollo Moon landings from 1969 – 1972. Now the United States has set forth a national space policy to return permanently to the lunar surface by 2020, and NASA is engaged in strategic planning to accomplish that goal. Furthermore, Europe, Russia, Japan, China, and India are undertaking missions to the Moon and its vicinity. All this will lead to using our sister planet as a space station and launch pad to Mars and other celestial bodies.

In **Space Enterprise-Living and Working Offworld in the 21st Century**, Dr Philip Harris provides the vision and rationale as to why humanity is leaving its cradle, Earth, to use space resources, as well as pursuing lunar industrialization and establishing offworld settlements. As a management/space psychologist, Dr. Harris presents a behavioral science perspective on space exploration and enterprise.

In this his 48th published book, the author has completely revised and updated the two previous editions of this classic, placing new emphasis on the need for more synergy and participation by the private sector. He not only provides a critical review of what is happening in the global space community, but offers specific strategies for lunar economic development. The author analyzes the human factors in contemporary and future space developments, especially relative to the deployment of people aloft. This user-friendly volume offers numerous photographs, diagrams, exhibits, and case studies. Easily readable, as well as useful as a reference work, the book's content covers a wide range of practical considerations related to human activities offworld. To live and work successfully in a microgravity environment, the author examines human performance and organizational management, as well as physical, psychological, political, commercial, legal, and other dimensions.

▶ “In anticipation of the challenges and opportunities of becoming a spacefaring civilization, it is essential that we understand the steps that have brought us to this point and formulate a bold vision for the upcoming migration of humans into space. That is precisely what Dr. Harris achieves in this thoroughly researched and comprehensive work (...) Dr. Harris provides a wealth of information on the diverse issues involved with living and working in space, such as habitat design, ergonomics, high performance physiologic and psychological concerns, protection from space hazards, cultural issues, and medical concerns. (...) For those who are interested in understanding the origins and future directions of humankind as an emerging spacefaring species, **Space Enterprises- Living and Working Offworld** by Dr. Phil Harris is a must read.” David G. Schunk, M.D., author of *The Moon: Resources, Future Development, and Settlement*

