

1. Record Nr.	UNINA9910337873303321
Titolo	The Human Factor in a Mission to Mars : An Interdisciplinary Approach // edited by Konrad Szocik
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-02059-2
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (270 pages)
Collana	Space and Society, , 2199-3882
Disciplina	629.4553
Soggetti	Space sciences Aerospace engineering Astronautics Research—Moral and ethical aspects Technology—Sociological aspects Personality Social psychology Science—Social aspects Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Aerospace Technology and Astronautics Research Ethics Science and Technology Studies Personality and Social Psychology Societal Aspects of Physics, Outreach and Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Martian Environmental Psychology: The Choice Architecture of a Mars Mission and Colony -- One Mars: The Ethics of Settlement in a Unique Place -- Can Deep Altruism Sustain Space Settlement? -- Interplanetary Sustainability: Mars as a Means of a Long-term Sustainable Development of Humankind in the Solar System -- Mars, the Next Frontier? A Public Ethical Interrogation -- Ethics on an Uninhabited Planet -- Mars and Beyond: The Feasibility of Living in the Solar System

-- Program Services Planning for a Mars Hardship Post; Reflections on the Need for Social, Psychological, and Spiritual Services -- Identifying and Monitoring the Complex System-of-Systems that Constitutes Human Habitation of Mars -- Envisioning the Martian Colonies -- Religion for a Spatial Colony: Posing the Right Questions -- Human Place in Outer Space: Should We and Can We Build a Human Colony on Mars? Skeptical Remarks -- Mars and the New Colonies: A Declaration of Independence? Interplanetary Fiduciary Relationships and a self-sustaining Off-Planet Economy -- Science and Ethics in the Exploration of Mars.

Sommario/riassunto

A manned mission to Mars is faced with challenges and topics that may not be obvious but of great importance and challenging for such a mission. This is the first book that collects contributions from scholars in various fields, from astronomy and medicine, to theology and philosophy, addressing such topics. The discussion goes beyond medical and technological challenges of such a deep-space mission. The focus is on human nature, human emotions and biases in such a new environment. The primary audience for this book are all researchers interested in the human factor in a space mission including philosophers, social scientists, astronomers, and others. This volume will also be of high interest for a much wider audience like the non-academic world, or for students.
