

AIDAA

Italian Association of Aeronautics and Astronautics

XXV INTERNATIONAL CONGRESS

Rome, 9-12 September 2019

Sapienza University of Rome

Red Planet Exploration: Research status of Life support Systems and Infrastructures for colonization of Mars

Human and robotic exploration is foreseen to be one of the next steps in human space colonization, and it is growing the common vision that Moon, on the pathway to Mars, is the outpost to extend human presence in deep space. At the same time, technologies and knowledge derived from space exploration tests, key factors for a more affordable, easier and quicker access to Space, will expand our understanding of the Universe, and create economic opportunities.

This symposium addresses all the aspects of recent advances related to Life support systems and infrastructures and/or analogues for Mars and Moon colonization.

We will dedicate a subsection to Life Support Systems and subsystems (Water Management, Atmosphere Management, Waste Processing, and Food Supply), and another one to Infrastructures and Analogues (present and future).

Chair: Eng. Pasquale Cangiano, Eng. Nunzia Favaloro

Call for Papers:

Papers are solicited on the technical, scientific, programmatic and educational aspects of Life Support Systems, Infrastructure and Analogue for colonization of Mars.

Those who are interested in presenting a paper shall send an abstract (one-page max) to <mailto:info@aidaa2019.com> no later than April 15, 2019. Prospective participants will be informed, or notified, of the acceptance of their abstracts on or before April 30, 2019. Abstract and Papers must conform to the policy format and style specified in the website.