

22nd IAA SYMPOSIUM ON VISIONS AND STRATEGIES FOR THE FUTURE (D4)
Contribution of Moon Village to Solving Global Societal Issues (2)

Author: Prof.Dr. Shuai Yuan
Harbin Institute of Technology, China

Dr. Nasr Al-Sahhaf
Saudi Arabia

Mrs. Luping LI
Chinese Society of Astronautics (CSA), China

Prof. Sandra Häuplik-Meusburger
TUW Technische Universität Wien, (*country is not specified*)

THE “MOON STATION 2050” GLOBAL INNOVATION COMPETITION AND INTERNATIONAL
MOON DAY 2024 MAIN EVENT

Abstract

Across the epochs, the moon has wielded an irresistible sway over our collective imagination, becoming the cosmic muse that fuels our dreams of space exploration. Humanity now ventures boldly toward a triumphant reunion with our celestial companion, with the ambitious goal of establishing a lasting and permanent presence on the lunar surface. To unlock the limitless possibilities of the moon and forge a path towards a lasting human foothold, we must embrace audacious innovation and pioneer groundbreaking technologies that push the boundaries of what is deemed possible.

Now the Moon Village Association, Harbin Institute of Technology, the Chinese Society of Astronautics, and TU Wien Academy are organizing the “Moon Station 2050” Global Innovation Competition. This international competition aims to foster groundbreaking ideas and advancements in lunar exploration, inviting young scholars under the age of 35 from universities and institutes worldwide to participate.

The Moon Station 2050 Global Innovation Competition invites teams or individuals to submit concepts and technologies related to one of five critical themes: Lunar Architecture, Lunar Energy, Lunar Robot, Lunar Transportation, and Life Support. Participants are encouraged to think beyond conventional boundaries, with a specific focus on the lunar South Sverdrup-Henson crater as the designated site for their Moon Station Design. The competition’s goal is to inspire innovative solutions for the future construction and operation of lunar habitats. Distinguished experts and professionals from the space sector will form the jury for each competition category.

The culmination of the Moon Station 2050 Global Innovation Competition will be marked by an Award Ceremony, held in conjunction with the International Moon Day (IMD) 2024 Main Event. This dual celebration is scheduled to take place on July 20 at the Harbin Institute of Technology in Harbin, China.

For further information please visit:

Moon Station 2050 competition: <https://www.moonstation2050.com>

International Moon Day: <https://internationalmoonday.org>