

# **Call for abstract -- Deadline: 2021/09/02**

**ISAS Planetary Exploration Workshop 2021**

**21, 22, 24 September 2021**

**We invite you to submit an abstract to  
the ISAS Planetary Exploration Workshop 2021.**

**Join and present your latest research results.**

**This is a forum for interdisciplinary topics from science and  
engineering that will lead to new technologies and enable future  
exploration missions.**

We look forward to the active participation of young researchers and postdoctoral fellows who will be responsible for the planetary exploration missions in a few decades' time.

## **Background and Purpose of This Workshop**

The coming years are going to be revolutionary for space exploration with research efforts leaning towards more and more complex mission concepts and designs, with an envisioned goal of human exploration on both the Moon and Mars in a few decades. Mars and the Moon, as well as other small bodies in the inner Solar System are favourable targets to answer key questions about the water transport and delivery in the Solar System, the origin and evolution of life and also the detection of extraterrestrial life. We would like to create a world where Japanese technology can open up new interdisciplinary science for tomorrow and even for decades from now. The purpose of this workshop is to present the latest research results from both science and engineering that match impactful interdisciplinary science and enabling technologies that will lead to future new mission proposals. One of the other purposes of this workshop is to build a cross-sectoral team across universities, international organizations, and JAXA that will lead to mission proposals to help create our own exploration roadmap for the next few years or even future decades. We would also like to establish a forum for discussions on how to successfully build such new teams to facilitate the missions and system designs for this purpose. As a final output of this workshop, we aim to establish working groups for upcoming S-class or/and M-class mission proposals. We look forward to the active participation of young researchers and postdoctoral fellows who will be responsible for the planetary exploration missions in a few decades' time.

## Topics of Interest

- Planetary Science
- Planetary Exploration
- Space Engineering
- Advanced Space Technologies (Robotics, AI, Small Satellite, etc)

## General Information

**Date:** 21, 22, 24 September 2021

**Place:** Virtual Meeting via Zoom

### Abstract submission guidelines:

- Abstract should be written in English or in Japanese in 500 words or less (English is preferred).
- Abstract should focus on building the roadmap for the next decades of space exploration.  
\*The abstract will be published online in the JAXA repository. Please send us back the attached Consent form as a PDF file with your signature included if you agree to it. Electronic signatures are also accepted.

### Abstract submission:

Please submit your abstract and the consent form as PDF files to the following

<https://forms.gle/RM37ih2XYnDinGEz5>

**Abstract submission deadline:** 2nd September 2021

### Organizing Committee

- Go Murakami
- Shoya Matsuda
- Shotaro Sakai
- Shunta Kimura
- Yusuke Nakauchi
- Haruna Sugahara
- Shintaro Nakajima
- Naoya Ozaki
- Stephane Bonardi
- Kimihide Odagiri
- Naoto Usami
- Toshihisa Nikaido
- Landon Thomas Kamps
- Tomo Usui
- Shino Suzuki
- and more...

### Keynote Speakers

- Ashley Karp
- Jun Kimura
- Kanako Seki
- Takeshi Imamura
- Rohit Bhartia
- and more...