

IBS Conference on

# Planetary Science and Space Exploration

(<https://www.ibs.re.kr/psse2024/>)

July 22-25, 2024

Science Culture Center at the Institute for Basic Science (IBS)  
Daejeon, S. Korea

## Topic

Planetary Science and Space Exploration (PSSE) aims to share the latest findings, and recent and upcoming space missions, providing exciting scientific targets for future studies. PSSE welcomes talks and posters on recent results, new methods and facilities, and ongoing modeling efforts that suggest diverse and comparative scientific approaches for general planetary scientists.

PSSE is held right after COSPAR. Each session combines associated planetary science topics, providing excellent opportunities for participants to get an overview of the research trends. This is different from COSPAR, which has specific topics in parallel, resulting in situations where participants likely need to choose to attend one session at a time.

Korea will establish its space agency in May 2024. PSSE will allow participants to network for international collaboration, especially with the Korean community.

## Registration and Abstract Submission

**Abstract submission deadline: 19 April 2024 (Fri)**

- Abstract submission is mandatory for contributing talks (limited number) and posters. One paragraph abstract is required (less than 300 words without images).
- Registration and abstract submission will be available via the PSSE website in the last week of March.

- Registration is free of charge. PSSE provides receptions, lunch, coffee, and snacks.
- A half-day excursion will be announced later.
- Late registration is possible only for poster presentations.

# Themes covered by invited Speakers

An Overview of the Korean Moon mission KLPO  
by Eun Hyeuk Kim (KARI, S. Korea)

A Concept Study for Korean Future Mars Mission  
by Min Sun Kim (KASI, S. Korea)

Exploration of Terrestrial Planetary Atmospheres (Titan, Venus, Mars)  
by Ralph Lorenz (JHU-APL, USA)

Future European Exploration of Small Bodies: Hera, RAMSES, Comet Interceptor  
by Jean-Baptiste Vincent (DLR, Germany)

Atmospheric Chemistry Suite onboard ExoMars/TGO: six years of observations and  
Mars Express SPICAM composition observations  
by Oleg Korablev (IKI, Russia)

An Overview of Indian Planetary Missions  
by Shyama Narendranath (ISRO, India)

An Overview of Atmospheric Escape  
by Shotaro Sakai (Tohoku Univ., Japan)

An Overview of Numerical Modelings of Terrestrial Planetary Atmospheres  
by Sebastien Lebonnois (LMD, CNRS, France)

Comparative Atmospheric Dynamics  
by Agustin Sanchez-Lavega (Univ. of Basque Country, Spain)

VeSCooR - To Support Future Three Venus Missions  
by Lucia Marinangeli (Universita G. d'Annunzio, Italy)

An Overview of Giant Planets' Interior  
by Yohai Kaspi (Weizmann Institute of Science, Israel)

An Overview of Atmospheric Chemistry in Outer Planets/Moons  
by Coner A. Nixon (NASA Goddard Space Flight Center, USA)

An Overview of JWST Planetary Science  
by Stefanie N Milam (NASA Goddard Space Flight Center, USA)

## Program

Session blocks: <https://www.ibs.re.kr/psse2024/program.html>

## Venue

Science Culture Center at the Institute for Basic Science (IBS), Daejeon, S. Korea  
([https://www.ibs.re.kr/eng/sub01\\_08\\_01.do](https://www.ibs.re.kr/eng/sub01_08_01.do))

More details will be announced via the PSSE website.

## Organizers

SOC and LOC: <https://www.ibs.re.kr/psse2024/organizers.html>

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