

Challenge to the Jovian Magnetospheric world and Future international Jovian mission LAPLACE

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Jupiter, which is the largest planet, is the most interesting objects in the solar system explorations. The mission to this planetary system will investigate the following characteristics:

- 1) Origin and evolution of the planetary environment,
- 2) Universal physics in the space,
- and 3) Establishment of the base knowledge and technologies toward the whole solar system.

This paper summarizes our ambitious future toward this planet in 2015-2025.

It covers the scientific objectives and possibilities based on

(A) the link to the roadmap toward the Plasma Universe,

(B) the progress of international Jovian mission LAPLACE,

and (C) the newly development of scientific instruments contributing this vision.