

## Jovian Magnetospheric Studies by Our Orbiters: 2015-2025

# Yasumasa Kasaba[1]; Masaki Fujimoto[2]; Takeshi Takashima[3]

[1] JAXA/ISAS; [2] ISAS, JAXA; [3] ISAS/JAXA

Jupiter, which is the largest planet, is the most interesting objects in the solar system explorations. The mission to this planet 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. Solar-Sail Project to have been examined by ISAS/JAXA as an engineering mission has a possibility of a small probe into the Jovian orbit. And the larger Jovian mission is now planned based on those technologies. This paper summarizes our ambitious future toward this planet in 2015-2025.