

MSD030-07

Room: Function Room B

Time: May 28 10:45-11:00

## SPRINT-A/EXCEED Mission

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ISAS/JAXA scientific mission has now three categories as L, M, S classes.

The former regular missions like ASTRO-F/AKARI, Solar-B/Hinode, ASTRO-EII/SUZAKU are attributed to the M (middle) size class in the current system.

The S (small) class mission is rather new category in Japan.

The size of the mission is standard one in previous series as ASTRO-C/Ginga, Solar-A/Yohkoh, EXOS-D/Akebono, launched by M3-SII rocket.

The Japanese SMEX mission uses a "universal standard satellite bus module" to reduce an individual mission cost, and which enables us to have higher frequency of mission opportunities. A new solid fuel rocket is developed in JAXA to launch the S class mission.

The talk will focus on the following topics; a current status of mission development and scientific goal of SPRINT-A/EXCEED (the first mission of S-class category).

Keywords: Small Size Satellite, Telescope, Planetary atmosphere, Atmospheric escape, Plasma torus, Extreme ultraviolet