[E] Oral | P (Space and Planetary Sciences) | P-PS Planetary Sciences

[P-PS04] Small Solar System Bodies: A New Insight from Hayabusa2, OSIRIS-REx and Other Space Missions

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Sun. Jun 6, 2021 9:00 AM - 10:30 AM Ch.04 (Zoom Room 04)

Small Solar System bodies, including asteroids, comets, satellites, and interplanetary dust particles, are notably important for understanding the origin and evolution of our Solar System, as well as investigating the sources of building blocks of life. Many new discoveries on small bodies have been carried out by observations from ground-based and space-based observatories, and explorations by spacecraft rendezvous and flyby. New perspectives on solar system evolution have been paved by analyses of extraterrestrial materials such as meteorites, IDPs, and return samples by space missions. Numerical and laboratory simulation studies have helped interpretations for those results and proposed new insights on these topics. In this session, new results of scientific studies and new ideas of methodology for investigating small solar system bodies are highly welcome, especially the topics on the remote sensing, surface experiments, and analysis of return sample in the Hayabusa2 and OSIRIS-REx missions, as well as the expectations and preparations for future missions including MMX, Destiny+, Hera, Comet Interceptor, and Hayabusa2-Extended missions.

9:00 AM - 9:05 AM

[PPS04-01]Introduction