

The Keck Institute for Space Studies
presents the following lecture:

Sample Return Missions from Small Bodies – *Hayabusa, Hayabusa2, and Beyond*

Dr. Shogo Tachibana

UTokyo Organization for Planetary and Space Science

Tuesday, February 25, 2025

4:30 PM Refreshments

5:00 PM Lecture

Hameetman Auditorium

California Institute of Technology

Small bodies such as asteroids and comets are believed to preserve records of the origin and early evolution of the Solar System. To demonstrate their significance, JAXA has conducted two asteroid sample return missions: the Hayabusa mission, which returned samples from the S-type asteroid Itokawa in 2010, and Hayabusa2, which delivered samples from the C-type asteroid Ryugu in 2020. In this talk, Shogo Tachibana will present the findings from these samples, compare them with those from the B-type asteroid Bennu brought back by NASA's OSIRIS-REx mission, and discuss the achievements of small-body sample return missions. He will also share expectations for future sample return missions.

**Register here or on our
website: kiss.caltech.edu**



Registration is required for this lecture as seating is limited.