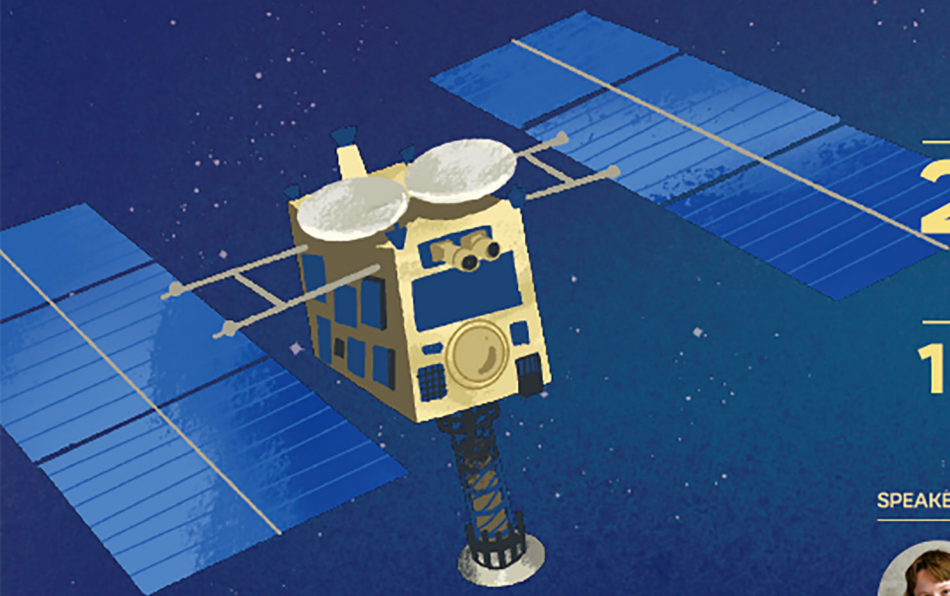


ELSI ANNUAL PUBLIC LECTURE 2023

# HAYABUSA2: UNLOCKING THE MYSTERIES OF LIFE



WEDNESDAY

2023.1.18

DOORS OPEN AT 18:30

19:00-20:50

Venue  
Multi-Purpose Digital Hall, Tokyo Institute of Technology  
(Ookayama station, Tokyu Line, 3 min. walk)

Organiser  
Earth-Life Science Institute (ELSI), Tokyo Institute of Technology

Language  
Japanese/English (Simultaneous interpretation)

Fee  
Free

Registration  
Capacity at 120 people.  
Prior registration is required. Use the code or website to register.

Registration deadline  
Friday, 13 January 2023  
\*Application will close when the number of applicants reaches 120



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## SPEAKERS



### ELIZABETH TASKER

Associate Professor  
Japan Aerospace Exploration Agency (JAXA)

## LECTURE 1

### WHAT IS THE HAYABUSA2 MISSION? THE JOURNEY TO BRING HOME A PIECE OF OUR PAST

In 2014, the Hayabusa2 mission was launched from the Tanegashima Space Center in Japan. This talk follows the journey over the next six years to explore asteroid Ryugu, deploy a lander and two rovers to the asteroid's surface, and touchdown twice to collect a sample to bring back to Earth. That sample is now being analysed around the world to draw out secrets that relate to the start of our existence.



### HIROYUKI KUROKAWA

Specially Appointed Associate Professor  
Earth-Life Science Institute (ELSI),  
Tokyo Institute of Technology

## LECTURE 2

### HOW WAS THE PLANET OF LIFE BORN?

Why does Earth possess a vast amount of water and sustain life? Hayabusa2 mission has revealed that water and the building blocks of life were delivered to Earth from extraterrestrial sources. In this lecture, I will introduce how the latest results show that the great migration of celestial bodies in the early solar system played an important role in the origins of Earth and life, and discuss future perspectives.

## MODERATOR



### KOSUKE FUJISHIMA

Associate Professor  
Earth-Life Science Institute (ELSI),  
Tokyo Institute of Technology