



CAREERS AT ISAS/JAXA

As of 21 SEP 2018

the Institute of Space and Astronautical Science (ISAS)/JAXA

JAXA International Top Young fellow (ITYF)

◦ The Japan Aerospace Exploration Agency (JAXA) International Top Young Fellowship (ITYF) was established in 2009 with the purpose of inviting the world's top-level young researchers to work at the Institute of Space and Astronautical Sciences (ISAS)/JAXA.

◦ A total of 15 fellows have participated in the program so far, six of whom have since taken permanent posts in other institutes and universities. Currently 6 ITYFs are at ISAS/JAXA (As of SEP 2018).

2018 FALL CALL NOW OPEN (Deadline: 20 NOV(JST))
<http://global.jaxa.jp/about/employ/index.html>
<http://www.isas.jaxa.jp/en/researchers/ityf/>

NAME	FORMER INSTITUTE	RESEACH THEME	PERIOD
PERALTA, Javier	Astrophysical Institute of Andalucia (Spain)	Characterization of atmospheric dynamics by using "AKATSUKI" and "Venus Express"	April 2015 -
CRITES, Sarah	University of Hawaii at Manoa (US)	Evolution of the Solar System as Revealed by Remote Sensing of Small Bodies	July 2016-
IZUMI, Kiwamu	California Institute of Technology (US)	Observational gravitational wave astronomy	September 2017-
BONARDI, Stéphane	Massachusetts Institute of Technology (US)	Self-reconfigurable modular robots for space exploration: design and control	October 2017-
QUINTERO NODA, Carlos	Solar-B Project Research Associate/ JAXA(Japan)	New insights on solar polarimetry as preparation for future solar missions: Sunrise/SCIP	November 2017-
LAU, Ryan Masami	Caltech and Jet Propulsion Laboratory(US)	Exploring the Dusty and Dynamic Universe with SOFIA, Spitzer, JWST and Beyond	September 2018-

Aerospace Project Research Associate(APRA)

- Japan Aerospace Exploration Agency (JAXA) is seeking outstanding young researchers to use their specialized knowledge to advance various JAXA aerospace projects more effectively and efficiently.
- Currently 24 APRAs are at ISAS/JAXA (as of SEP 2018).

PAST THEME

Organized WFIRST-Subaru Synergistic Observations Workshop	Liquid Crystal Device - A thin film device that can change its optical properties.	Archive activities of the AKARI MIR slitless spectroscopic data and observational study of the ISM in Galactic star-forming regions
Multi-Wavelength Polarimetry of Star Forming Regions	Hydrodynamic Instabilities Modeling in Hybrid Rocket Engines	Clouds on Venus play important roles on chemistry, dynamics, and thermal balance in the atmosphere.
Study on elemental analysis of planetary surface based on nuclear spectroscopy	Alloy Semiconductor project - Effects of gravity and orientation on the dissolution and growth properties of InGaSb ternary alloys	The Soft X-ray Spectrometer (SXS), Hard X-ray Imager (HXI) and Soft Gamma-ray Detector (SGD) onboard X-ray observatory Hitomi are designed to have good timing capability.
OSIRIS-REx: Sample Return from Asteroid (101955) Benu.	Global and small-scale structure of the zodiacal dust cloud observed with AKARI	Direct Measurements of Two-Way Wave-Particle Energy Transfer in a Collisionless Space Plasma
Regolith particles recovered from S-type asteroid Itokawa preserve various space weathering features.	Understanding the Onset Mechanisms of Solar Explosive and Eruptive Phenomena and Its Prediction Using Hinode and SDO data	R&D on Scientific Payloads for Future Solar Missions
Astrodynamics Analysis and Operation Planning for Proximity Phase of Hayabusa2		

Faculty

- The Japan Aerospace Exploration Agency (JAXA) is seeking to recruit professors (including Assistant/Associate) at the Institute of Space and Astronautical Science (ISAS)
- Calls for applications open throughout the year.

<http://global.jaxa.jp/about/employ/index.html>

- <Faculty>

<http://www.isas.jaxa.jp/en/about/researchers/>

- <Laboratories>

<http://www.isas.jaxa.jp/en/researchers/laboratories/>

Students

- Currently, 248 graduate students are at ISAS / JAXA (as of SEP 2018), via acceptance through different educational institutes.

- Details of the student acceptance system at JAXA:

http://global.jaxa.jp/files/JAXA_new_student_acceptance_system.pdf

ISAS Students enrolled in research & education				Students enrolled in practical training	
Univ Tokyo	SOKENDAI	Cooperative Graduate School	Commissioned Guidance Student System	Skills Acquisition System	Internship system
87	28	27	30	76	0

- The Department of Space and Astronautical Science of SOKENDAI (The Graduate University of Advanced Studies), is based at ISAS/JAXA.

<http://www.isas.jaxa.jp/sokendai/e/index.html>

- Department of Space and Astronautical Science offers a Grant-type Special Scholarship as of October 2017, aiming to support excellent student applicants who will be leaders in the future of space science.

<http://www.isas.jaxa.jp/sokendai/e/admissions/support.html>

FIND OUT MORE

<OVERALL>

ISAS WEB <http://www.isas.jaxa.jp/en/>

COSMOS BLOG http://cosmos.isas.jaxa.jp/?page_id=65

<MISSION>

Hayabusa2 <http://www.isas.jaxa.jp/en/missions/spacecraft/current/hayabusa2.html>

MMO <http://www.isas.jaxa.jp/en/missions/spacecraft/developing/mmo.html>

ERG <http://www.isas.jaxa.jp/en/missions/spacecraft/current/erg.html>

MMX <http://www.isas.jaxa.jp/en/missions/spacecraft/future/mmx.html>

JUICE <http://www.isas.jaxa.jp/en/missions/spacecraft/future/juice.html>

AKATSUKI <http://www.isas.jaxa.jp/en/missions/spacecraft/current/akatsuki.html>