

Job Announcement for
Assistant Professor Position (full time) at
the Institute of Space and Astronautical Science,
the Japan Aerospace Exploration Agency

The Japan Aerospace Space Exploration Agency (JAXA) is seeking to recruit an assistant professor (academic staff) for the Department of Solar System Sciences, the Institute of Space and Astronautical Science (ISAS), as described below:

1. Title and Number of position(s):

One Assistant Professor (academic staff)

2. Department

Department of Solar System Sciences, Institute of Space and Astronautical Science, JAXA

Institution URL: <http://www.isas.jaxa.jp/e/index.shtml>

Department outline: <http://www.isas.jaxa.jp/e/about/professor/index.shtml#02>

3. Summary of Position (Duties and Required Abilities):

Research interest in the planet Mercury has been elevated thanks to the exciting results brought by NASA MESSENGER; and expectations for BepiColombo, the European Space Agency (ESA)-JAXA two-spacecraft mission to Mercury to be launched in 2018, are the highest ever. The solar wind-magnetosphere interaction of the planet that sits close to the central star is one of the focal points of the mission, and JAXA is in charge of the MMO (Mercury Magnetosphere Orbiter) that will study the space environment of Mercury. The success of BepiColombo, in and of itself, as well as being a step to the bright future of the Department, is one of the most critical items on the agenda of the Department and the Institute.

The Department of Solar System Sciences promotes scientific studies of the heliosphere and of solar system bodies via spacecraft missions that perform remote sensing observations as well as in-situ observations. Mission-related activities at the Department include data analysis studies, numerical simulation studies and the development of new observation technologies. As the Department also plays key roles in constructing solar system science missions, the capability to coordinate a win-win path for both planetary science and space engineering through mission study activities is expected of all members of the Department.

For this position, we are seeking a candidate with an academic record in a field of planetary sciences who will work as a core member of the BepiColombo team at ISAS, JAXA. The successful candidate is expected to:

- Work closely with ISAS and ESA team members, as well as Japanese and European industrial partners, to maximize the science output from the mission under severe resource limitations, including taking the lead role in science operation planning activities.
- Be an active player in planetary science from a mission-oriented standpoint such as by designing a new instrument or developing a new scheme for data analysis.
- Utilize the experience and insights gained through engagement in BepiColombo in contributing to other future ISAS planetary mission activities.

Based on the understanding that JAXA/ISAS acts as inter-university research system, the successful applicant will conduct research in collaboration with researchers from other universities. In addition, the successful applicant will engage in teaching and directing graduate students, and will actively participate in various studies and projects conducted within JAXA.

A candidate needs to satisfy the following upon application:

- Possess an academic record in a field of planetary sciences
- Have willingness for hardware development or science operation for a space science mission
- Be ready to expand the scope of her/his own research in planetary sciences
- Be capable of teaching and directing graduate students

4. Terms and Conditions

- (1) Salary will be determined under the provision of JAXA wage rules and regulations, taking into account ability and experience.
- (2) Working days: Monday – Friday, except Japanese national holidays, year-end and new-year holidays, paid vacation, summer vacation, celebration or condolence leave, maternity leave, child-care leave, care leave, nursing leave, volunteer activities, etc.
- (3) Office hours: 9:30-17:45, in principle, with a recess from 12:15 to 13:00 (however, a discretionary labor system is applied).
- (4) Overtime work: may be required (however, a discretionary labor system is applied, and working hours per day are regarded as 7.5 hours).
- (5) Duty location: JAXA Sagami-hara campus (ISAS), Kanagawa, Japan
- (6) Employment Status: Full-time/Retirement age is 63.
- (7) Lodgings: lodgings suitable for a family or a single occupant may be provided under the provision of JAXA in consideration of the nature of the work. (Lodging term is limited to 7 years.) Alternatively, an allowance for lodging shall be paid.
- (8) Social insurances will be provided in full.

5. Eligibility

PhD degree is required.

6. Commencement of Assignment

At the earliest possible date after selection. Some coordination might be needed according to JAXA's budget situation.

7. Application Documents

Submit one copy each of the following:

- (1) Curriculum vitae
- (2) Research career
- (3) Summary of previous research
- (4) List of research achievements, including published papers and other publications.
- (5) Outline of future research plan (including contribution to projects and ambitions for educational activities).
- (6) List of awarded research funds through competition (type of funds, amount, principal investigator or co-investigator).
- (7) Contact information of two referees (names, addresses, telephone numbers, and e-mail addresses for a direct inquiry from JAXA). If you are recommended by others, please provide two letters of recommendation.
- (8) Photocopies of major research papers or other publications

8. Submission

Submit the application through the following website

<https://isas-appli-form.jaxa.jp/forms1/1475116338>

following the instructions on the site.

The files need to be in pdf format. Note that documents (2) to (6) need to be merged into one pdf file. Referees will be asked to upload their recommendation directly onto the website.

Application delivered in person or by mail shall not be accepted.

9. Application Deadline

November 30 (Wednesday), 2016, 9:30 (JST).

10. Contact at the Department of Space Flight Systems

Prof. Masaki Fujimoto

Director

Department of Solar System Sciences

Institute of Space and Astronautical Science, JAXA

Tel: +81-50-3362-5063 E-mail: fujimoto.masaki@jaxa.jp

For inquiries regarding Application Submission in Section 8:

Management and Integration Department

Human Resources Section

Fax: +81-42-759-8440 E-mail: ISAS-JINJI@jaxa.jp

11. Other Remarks

Applications will be examined and selected by the Advisory Council for Research and Management of ISAS, JAXA. Traveling expenses necessary for the examination and selection shall be borne at the applicant's own expense. ISAS/JAXA actively welcomes female applicants.

<Handling of Personal Information>

The personal information provided to ISAS/JAXA will be used and handled solely for the selection purpose. ISAS/JAXA will discard all personal information of unsuccessful applicants after the selection.