

Job Announcement for
Professor Positions (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 two professors as described below. We widely call for recommendations and applications.

1. Title and Number of Positions

Two Professors

2. Department

Department of Space Flight Systems, Institute of Space and Astronautical Science (ISAS)

3. Summary of Position (Duties and Required Abilities)

The Institute of Space and Astronautical Science is promoting landing explorations on the gravity bodies, considered to be one of the most important themes in future exploration of the solar-system, based on the close cooperation between engineering and science researchers. The Department of Space Flight Systems is pursuing research and development in order to execute more multifaceted and higher performance scientific observations and explorations. To execute the high-precision landing explorations required from the scientific viewpoint, we must strengthen research on landing technology including high-precision navigation and guidance, landing dynamics, as well as high-precision, high-performance propulsion. In addition, so as to extend the region and capability of the exploration of our solar system, we need to promote the research on deep space mission design, including trajectory and spacecraft system design. The professors being recruited in this announcement must promote innovative academic research in these areas in order to execute sophisticated solar-system exploration missions, and provide strong leadership in the ongoing mission or those being planned utilizing their academic achievements, and thus take leadership towards future goal.

Responsibilities include (but are not limited to):

- Provide academic leadership internationally and contribute to the progress in the fields of landing technology or deep space exploration mission design;
- Provide strong leadership as a core member of the team in the ongoing solar-system exploration mission—Smart Lander for Investigating Moon mission (SLIM); or one of the exploration missions currently being planned such as Martian Moons eXplorer mission (MMX), due to be launched in the 2020s;
- Provide leadership in planning next-generation solar-system exploration missions in utilizing their academic achievements and engineering experiences; and
- Promote collaboration with researchers from other universities and engage in teaching and directing graduate students, based on the understanding that ISAS/JAXA acts as an inter-university research institute.

Required qualifications include:

- Experience in research related to deep space exploration, and achievements that are highly evaluated both in Japan and worldwide;
- Ability to take leadership of research and development activities in space flight systems related to space science missions;
- Experience to have lead a community composed of multi-disciplinary researchers so as to promote innovative research in aerospace engineering, including the ability to take leadership in collaboration between science and engineering; and
- Ability to teach and direct graduate students.

4. Terms and Conditions

- (1) Salary will be determined according to the provisions of JAXA wage rules and regulations, considering 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) Work Place: JAXA Sagami-hara campus (ISAS), Kanagawa, Japan.
- (6) Tenure and retirement age: a tenure position. Retirement at the age of 63.
- (7) Lodgings: lodgings suitable for a family or a single occupant may be provided according to the provisions of JAXA considering the necessity for the work. (Maximum lodging term is 7 years.) An allowance for lodging may be paid as an alternative measure.
- (8) Social insurances: Provided in full. (health insurance, pension plan, etc.)

5. Eligibility

PhD degree is required.

6. Commencement of Assignment

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

7. Application Documents

- (1) Curriculum vitae
- (2) Research career
- (3) Outline of previous researches
- (4) List of research papers (impact factors shall be specified)
- (5) Future research plan (including contribution to projects and ambitions for educational activities)
- (6) List of awarded competitive research funds obtained so far (type of funds, amounts, investigator type (principal investigator or co-investigator))
- (7) If the applicant is recommended by others, the names, institutions, and contact information (telephone number and email address) of two people who can submit a necessary letter of recommendation. If the applicant recommends himself/herself,

the names, institutions, and contact information (telephone number and email address) of two people who can submit a reference letter.

(8) Electronic versions or scanned copies of major research papers (less than five) published in refereed academic journals

8. Submission

Submit the application through the following website:

<https://isas-appli-form.jaxa.jp/forms1/1488934604>

When submitting the documents, please follow the instructions in the above website. All of the files to be uploaded shall be in the pdf format. Note that documents (2) to (6) should be put into one pdf file.

If the applicant is recommended by others, we will request recommender(s) to directly upload their letters of recommendation to the website. (This request will be automatically sent to the email addresses of recommender(s) specified by the applicant.) We will not basically accept any application forms sent by mail or brought directly by the applicant.

9. Application Deadline

Regarding the inputting in the website and the submission of all necessary documents (including letters of recommendation if the applicant is recommended by others.)

The documents should arrive by 9:30 am (Japan Time) on Friday, June 30, 2017.

Please access to the above website and check how to submit necessary documents for application (including letters of recommendation if the applicant is recommended by others) as soon as possible. If application is made shortly before the deadline, it will be difficult for recommenders to submit a letter of recommendation. Please be careful.

10. Contact at the Department of Space Flight Systems

Prof. Eiichi Sato

Director

Department of Space Flight Systems

Institute of Space and Astronautical Science, JAXA

Tel: +81-50-3362-2469 E-mail: sato@isas.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@ml.jaxa.jp

11. Other Remarks

Screening will be conducted by the Advisory Council for Research and Management of ISAS, JAXA. This job announcement comes into effect when there are three applicants or more. In case of fewer than three, the announcement is being made again.

Each applicant shall bear the cost for transportation and accommodation arising out of the screening process. ISAS/JAXA actively welcomes female applicants.

<Regarding the Purpose of Use of Personal Information>

We will use personal information provided for applying for a post in JAXA only for the purpose of screening applicants, and discard the personal information excluding that of a successful applicant on our own responsibility after the screening process is concluded.