

Job Announcement for a Professor at the Institute of Space and
Astronautical Science, the Japan Aerospace Exploration Agency

The Japan Aerospace Space Exploration Agency (JAXA) is seeking to recruit a professor as described below. We widely call for recommendations and applications.

1. Title and Number of Position(s)

One Professor

2. Department

Department of Spacecraft Engineering, Institute of Space and Astronautical Science (ISAS)

3. Summary of Position (Duties and Required Abilities)

The Institute of Space and Astronautical Science (ISAS) is contributing to the demonstrative research on the origin and evolution of the solar system that led to the formation of the Earth as a habitable planet by promoting solar system exploration fusing interested planetary scientists and space engineering researchers, as well as by enhancing the function of inter-university cooperation. In order for the Japan planetary community to play a meaningful role in the landscape of the international competition and collaboration, and in order for the community to design its missions in a strategic manner, a leader needs to clarify its strength and weakness.

Specifically, it is requested to effectively carry out the following three categorized missions: (I) Japan leading strategic medium class missions that aim to solve most significant problems of planetary science with international collaboration, (II) Competitive small class missions that aim to solve unresolved fascinating problems of planetary science with possible international collaboration and (III) Participation to the international large class missions that is too large for Japan to take lead in order to resolve the most significant problems of planetary science.

The Department of Spacecraft Engineering promotes engineering studies that enable exploration of 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 mission design, navigation systems studies, and the development

of various component technologies. As the Department also plays key roles in constructing solar system exploration missions, the capability to strategically plan planetary explorations and to develop spacecraft more systematically is expected of most members of the Department.

For this position, we are seeking a candidate who will conduct original, academic research in the areas of spacecraft systems and onboard instruments in order to realize advanced solar system exploration missions of Japan. In addition, the candidate is expected to contribute greatly to ongoing and planned missions based the outcomes of his/her research activities and lead a way towards future solar system exploration.

The job description includes, at minimum, the following.

- Contribute to a project as a core member of the development team, maximizing the science return, in a strategic medium class mission or a small class mission for solar system exploration.
- Develop future solar system exploration missions and formulate relevant communities based on a programmatic planning and collaboration between scientists and engineers.
- Invent methods for developing spacecraft more efficiently by introducing new technologies to the development of spacecraft systems and onboard instruments including high-performance data processing systems so that spacecraft systems can be developed more systematically.
- 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

To fulfill these duties, the successful candidate needs to satisfy, at minimum, the following conditions:

- Have sufficient experiences in the development of spacecraft and have a record of recognition within the international community of researchers as the result of her/his activities.
- Be capable of taking a leading role in space science missions and steering research and development concerning the development of spacecraft systems and onboard instruments including high-performance data processing systems.

- Have experiences in forming communities consisting of researchers of various fields and leading a space science mission. Be capable of taking a leading role in collaboration between scientists and engineers.
- 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 (health insurance, pension plan, etc.) 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

- (1) Curriculum vitae
- (2) Research career
- (3) Summary of previous research
- (4) List of research achievements

- (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).
 - (8) Photocopies of major research papers (less than five) published in refereed academic journals
- ※If you are a resident of the European Economic Area (the EU zone), you are required to submit the following document as well.
- (9) Consent form for handling personal information based on GDPR (Form NO.1)

Download the form from the website listed in “8. Submission”.

8. Submission

Submit the application through the following website

<https://isas-appli-form.jaxa.jp/forms1/1552354636>

When submitting the documents, please follow the instructions given on the website. All of the files to be uploaded shall be in pdf format. Note that documents (2) to (6) should be merged 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.) Application delivered in person or by mail shall not be accepted.

9. Application Deadline

Mon. June 3, 2019, 9:30 (JST).

Applies to both web input and all necessary files, including letters of recommendation for recommended applicants.

Please access 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 too close to the deadline, it will be difficult for recommenders to submit a letter of recommendation. Please be careful with regard to this.

10. Contact at the Institute of Space and Astronautical Science, JAXA

Research Director:

Prof. Takashi Kubota

Tel: +81-50-3362-3657 E-mail: kubota.takashi@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.

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.

※<Consent form for handling personal information based on GDPR>

For the purposes of affairs related to the selection and human resource management, JAXA needs to collect your personal data requested in the present form.

You may at any time object to the use of your data for this purpose by writing to the following address: ISAS-JINJI @ml.jaxa.jp

You will find below all the detailed information concerning this processing of your

personal data and a reminder of your rights, in application of the legislation in force.

JAXA, willing to respect the privacy and protection of personal data of its prospects and clients, complies with the legislation in force regarding the protection of personal data as data controller, and in particular Law no. 78-17 of 6 January 1978 (the “Data Protection Act”) and, from 25 May 2018, Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and the free movement of such data (the “GDPR”).

JAXA does not transfer personal data to third countries or parties outside the European Economic Area.

Personnel who transfers from National University Corporation, etc.* (hereinafter referred to as “previous position”) to JAXA Educational Employee will be treated under the following contents. However, personnel who have received his/her retirement allowance (including the equivalent payment) is excluded.

* National University Corporation, Inter-University Research Institute Corporation, National Institute of Technology, National Institution for Academic Degrees and Quality Enhancement of Higher Education, and National Center for University Entrance Examinations.

1. **Period of Employment concerning Year-End Allowance**
Employment period to the previous position will be added up to the tenure as a JAXA Educational Employee.
2. **Regional Adjustment Allowance Guarantee**
Regional adjustment allowance is guaranteed based on JAXA’s regulations, considering the work location on the day before the starting day at JAXA, in case of necessity.
3. **Payment Requirements for Business Bachelor Allowance**
Allowance may be paid for those who is continuingly a business bachelor from the previous position, only in case of fulfilling the requirements based on JAXA’s regulation.
4. **Days of Annual Leave**
Remaining days and time of the annual leave from the previous position will be taken over. Therefore, JAXA will need the acquired results of annual leave at the previous position.