

Job Announcement for
a 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 a professor as described below. We widely call for recommendations and applications.

1. Title and Number of Position

One Professor

2. Department

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

3. Summary of Position (Duties and Required Abilities)

Innovative technologies in structures and mechanisms, such as smart structures with extensive shape stability or extreme environmental durability and mechanisms and dynamic analysis for the deployment in space or landing on other planets, are indispensable to the future scientific observations and solar-system explorations. Simultaneously, great advances in integrating the technical interface between the structures and mechanisms and various fields necessary for space vehicles, such as thermal and control subsystem, are also strongly expected. The progress of these research and development is one of the keys to achieve challenging missions by which ISAS is leading the word in space science projects.

The professors being recruited in this announcement must have a capacity of leadership in managing and inspiring the division of structures and mechanisms in the department of space flight systems. Moreover, it is required to take the international initiative in academic research for structural and mechanism engineering of space vehicles, and to provide strong leadership as a structural expert in the teams on the multiple solar-system exploration missions or scientific satellite projects.

Responsibilities include (but are not limited to):

- Provide leadership in managing, training the future generations and then inspiring the division of structures and mechanism in the department of space flight systems;
- Provide academic leadership internationally and contribute to the progress in the structural engineering that realizes the future innovative space-vehicles equipped with smart space structures or other advanced structures;
- On the multiple solar-system exploration missions or scientific satellite projects, take the

initiative in research and development of the necessary structural and mechanism technologies, and provide strong leadership as a structural expert in the teams; 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.

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

- Profound learning and research capability in concept, mechanics, kinetics, control, design, and the related fields of space vehicle structures and mechanisms, and achievements that are highly evaluated both in Japan and worldwide;
- Experience to accomplish projects relating to space engineering;
- Experience to take leadership in collaborative researches and/or projects with researchers from other institutions; 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, annual vacation, WLB annual leave, 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 or cited number 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 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/forms1/1572482832>

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

Wednesday, January 15, 2020, 9:30 (JST).

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

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.

Each applicant shall bear the cost for transportation and accommodation arising out of the screening process. 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.

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.