

Job Announcement for  
an Associate 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 associate professor as described below. We widely call for recommendations and applications.

1. Title and Number of Position

One Associate Professor

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 Sciences is aiming to secure more flexible access to space and mobility for future space observations and solar system explorations. Department of Space Flight Systems is promoting activities aimed at bringing innovation to space transportation technologies in addition to leading the space science missions by engineering technologies. Innovating space transportation technologies will make it possible to build an orbit transfer network in the atmosphere, low earth orbit, and moon and interplanetary orbit, and to cover the various fields of space sciences. In this activity, research and development of advanced and innovative technologies for chemical propulsion system such as reusable rocket and air-breather led by the Institute of Space and Astronautical Sciences is one of the important themes.

Responsibilities include (but are not limited to):

- Perform highly creative advanced research on propulsion engineering for future innovative spacecraft systems and space transportation systems;
- Provide strong leaderships in the research and developing project of frequent space transportation and orbit transfer by innovative chemical-propulsion system technologies such as reusable rocket and air-breather as a specialist in propulsion engineering in the project 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:

- Experience in basic research and research and developing project related to propulsion engineering of future space transportation system, and achievements that are evaluated both in Japan and worldwide;
- Experience in demonstration research using flight systems related to chemical propulsion systems such as reusable rocket and air-breather;
- Experience to have lead a community composed of multi-disciplinary researchers so as to promote innovative research in aerospace 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, 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 sited 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/forms1/1572485320>

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](mailto: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](mailto: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.