

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

1. Title and Number of Position(s)

One Associate Professor

2. Department

Department of Solar System Sciences, Institute of Space and Astronautical Science (ISAS)

3. Summary of Position (Duties and Required Abilities)

Department of Solar System Sciences promotes scientific researches of the heliosphere and of the solar system bodies via spacecraft missions that perform remote sensing observations as well as in-situ observations. The mission related activities at the Department include data analysis studies, numerical simulation studies and development of new observation technologies. Especially, understanding the origin and evolution of the materials in space by identifying the compositions and determining their quantities and distributions is one of the most important objectives of the future solar system exploration. Mass analysis of the neutral particles that is the major form of the planetary materials is necessary for both in-situ material analysis in the planetary environment and in-situ analysis of the planetary surface materials in the future landing missions.

For this position, we are seeking a candidate who will lead the development of onboard in-situ neutral particle mass spectrometers. In parallel, a candidate is expected to construct a ground-based facility that is necessary for developing the instrument. In addition, the successful candidate should fulfill a role as an onboard instrument integrator who will contribute to make onboard in-situ instruments in addition to the in-situ neutral particle mass spectrometer that the candidate will develop. We will assign at least the following duties to the successful candidate.

- Promote development of an onboard in-situ neutral particle mass spectrometer as a

leader of the development team by working closely with other team members, ISAS

engineers, and industrial partners.

- Promote construction of ground facilities that is necessary for developing onboard in-situ neutral particle mass spectrometer as a leader of the development team.
- Fulfill a role as an onboard instrument integrator who will contribute to make onboard in-situ instruments in addition to the in-situ neutral particle mass spectrometer that the candidate will develop.
- Promote planning of the future ISAS solar system explorations that use in-situ neutral particle mass spectrometers.

The successful candidate is expected to understand the roles of ISAS in the inter-university cooperation scheme and to carry out collaborative research with researchers from the universities, and to earnestly offer education and guidance to graduate students. Furthermore, the successful candidate is expected to be actively engaged in various activities within JAXA, contributing to its research and development projects by utilizing his/her expertise.

To fulfill these duties, the successful candidate needs to satisfy at least the following conditions.

- He/she has an advanced academic record in the field of in-situ planetary / Earth observations and an experience of developing a mass spectrometer or similar equipment.
- He/she has an experience of constructing / maintaining ground facilities

necessary for developing the equipment.

- He/she has enough interdisciplinarity to be an active player in science – engineering cooperation.
- He/she is capable of offering education and guidance to 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 Sagamihara 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 instrument development and ambitions for educational activities. The four items expected of the successful candidate in “Summary of Position” should be born in mind.)
  - (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/forms1/1533623787>

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

Monday, October 15, 2018, 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 to 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

Director of Department of Solar System Sciences:

Prof. Yoshifumi Saito

Tel: +81-50-3362-4632 E-mail: [saito.yoshifumi@jaxa.jp](mailto:saito.yoshifumi@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.

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](mailto: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.