

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 Space Astronomy and Astrophysics, Institute of Space and Astronautical Science (ISAS)

3. Summary of Position (Duties and Required Abilities)

JAXA/Institute of Space and Aeronautical Science (ISAS) has the science goals to “understand the origins of the space-time and matters” and to “study the possibility of life in the universe” in the field of astronomy and astrophysics. To address these goals, the key objectives are to study the earliest phase of the universe, as well as to understand the variety of physical and chemical processes that brings the structure formation from galaxies to planets. ISAS promotes the space mission programs and instrument developments for the purpose.

For this call for an Associate Professor, we expect application by the researchers who engages in the development and execution of space infrared astronomy missions to pursue the science goals of ISAS with the strong motivation based on her/his vision and prospects for astronomy and astrophysics in the late 2020's.

JAXA/ISAS now intensively promotes SPICA (Space Infrared Telescope for Cosmology and Astrophysics; https://www.ir.isas.jaxa.jp/SPICA/SPICA_HP) in collaboration with European Space Agency (ESA) as well as the various domestic and foreign researchers. The Associate Professor of this position is

expected to actively engage in conducting the study and development to promote SPICA. SPICA, an infrared space observatory with a large aperture telescope actively cooled below 8 K, challenges to the fundamental questions of modern astronomy and astrophysics, how dust and organic material are produced in the history of the universe and what are the key physical processes of the formation and evolution of galaxies and planetary systems.

JAXA/ISAS's responsibility for the SPICA mission includes (i) to achieve the Payload Module (PLM) system, including the cryogenic system to cool the science instrument assembly to 8K, and (ii) to develop one of the main science instruments, SPICA Mid-Infrared Instrument (SMI) in close collaboration with the SMI consortium which consists of the researchers in the universities, foreign institutes, and ISAS. For this call for an Associate Professor, we expect application by the researchers who pursue the development of SPICA taking the roles to conduct the task (i) or (ii), and to proceed the relevant science investigation in astrophysics.

We also expect that in long term the applicants for this call will pursue the future space missions to achieve the science goals of JAXA/ISAS in the field of astronomy and astrophysics based on the experience of the work for SPICA.

It is asked for the Associate Professor, as a JAXA Academic Staff, to collaborate with university researchers understanding the idea of inter-university research and the role of JAXA/ISAS, as well as to take initiative in participating the activities inside JAXA to make contributions in study, development, and projects by her/his expertise. The Associate Professor is also asked to participate education programs for the graduated students.

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

- Have an advanced academic record in astronomy and astrophysics and have the research vision and prospects toward the late 2020's
- Have experience or potential capability of cryogenic instrumentation or

instrumentation in astronomy and astrophysics from space or from the ground

- 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/forms1/1542259064>

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

Friday, February 1, 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

Director of Department of Space Astronomy and Astrophysics:

Prof. Toru Yamada

Tel: +81-50-3362-2463 E-mail: yamada.toru@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](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.

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.