

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/ISAS is promoting the X-ray Astronomy Recovery Mission (XARM) project with the launch targeted for Japanese fiscal year 2020. XARM will continue the science goals of ASTRO-H (Hitomi) by intensively conducting high precision X-ray spectroscopy with high energy resolution, which is expected to open new fields in X-ray astronomy. A high degree of expertise with adequate background knowledge is required to lead this new field and produce cutting-edge scientific results with XARM. For this reason, ISAS is looking to hire a researcher who has the capability required to prepare for the creation of world-leading science outputs in this new research field of high precision X-ray spectroscopy by using her/his high degree of expertise and experience. The successful candidate is also expected to play an important role in international collaboration on X-ray astronomy in the next generation to highlight the highly beneficial presence of JAXA and the Japanese research community.

We hereby call for applicants for the position of associate professor at ISAS who will assume the role as described above. The successful applicant will participate in the XARM Project by leading the XARM scientific activities in corporation with the mission led by a principal investigator (PI), domestic and foreign researchers in the field, as well as acting as a point of scientific contact for foreign agencies.

The job description includes the extensive conduct of research in astrophysics by using the existing facilities and archived data from previous missions to prepare for XARM science activities before the launch, and to lead research activities with high precision X-ray data with high energy resolution from XARM after the launch. We

expect that through such activities JAXA and the Japanese research community will maintain a good presence in future large-scale international missions.

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

- Have an advanced academic record in the field of X-ray spectroscopy of astrophysical plasma and be well recognized within the international community of researchers in the field as the result of her/his science activities.
- Have strong intention and capability to lead research in high precision X-ray spectroscopy with high energy resolution with XARM and future international missions such as Athena.
- Take a leading role in future international research coordination between JAXA and foreign agencies in relevant science fields.
- Have high-level achievements overseas or have high-level achievements in collaborative research having a close relationship with overseas institutions or research groups.
- 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). If you are recommended by others, please provide two letters of recommendation.
- (8) Photocopies of major research papers (less than five) published in refereed academic journals

## 8. Submission

Submit the application through the following website

<https://isas-appli-form.jaxa.jp/forms1/1500012873>

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, September 29, 2017, 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 of Department of Space Astronomy and Astrophysics:  
Prof. Toru Yamada  
Director  
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. This job announcement comes into effect when there are three applicants or more. If there are fewer than three applications, the announcement will be made again.

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.