

Announcement of Opportunity for a Professor Position and an Associate Professor Position
at the Institute of Space and Astronautical Science, the Japan Aerospace Exploration Agency

The Japan Aerospace Exploration Agency (JAXA) is seeking to recruit a professor and an associate professor with a profile as described below. We widely call for recommendations and encourage applications of qualified candidates.

1. Title and Number of Position(s)

One Professor (Academic Staff)

One Associate Professor (Academic Staff)

2. Department

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

3. Summary of Position (Duties and Required Abilities)

The goal of JAXA/Institute of Space and Astronautical Science (ISAS) in the field of solar system sciences is to “elucidate how the solar system and life were born and evolved to the present”. ISAS is promoting academic research on solar system celestial bodies including the Sun and the Earth by means of observation from space, in-situ observation and research on new observation and measurement equipment. ISAS is also promoting solar system science exploration through close cooperation between space engineers and space scientists and further enhancing the function of joint use of universities. Under the situation that ISAS will further promote future solar system science exploration and sustainably achieve world-recognized results, Department of Solar System Sciences having been promoting the space science programs is trying to build a mechanism and data processing / archiving system that enable us to efficiently use observation data obtained from satellites that have already been in operation, and satellites that will be operated in the future with the cooperation of related research institutes. Network observations, formation flights, and multipoint observations are expected to become the mainstream in future solar system science exploration. In order to process the diverse and enormous amount of data obtained from these explorations in a timely manner and achieve high-value scientific results, the data should be appropriately configured and processed by considering the characteristics of the satellite-borne instruments. ISAS will recruit a professor and an associate professor who manage data processing and actively promote international collaboration by cooperating with individual satellite projects, organizations within JAXA, and domestic related organizations while looking down on future trends in solar system science exploration.

The professors (academic staff) recruited this time shall (1) contribute to the space science by leading the way to advance the data processing and archiving system in order to make the best

use of the data obtained by past, present and future solar system science exploration while bridging the gaps between exploration projects and science activities, (2) play a central role in future solar system science exploration mainly from the aspect of data management in the research of solar system science. The associate professor (academic staff) recruited this time is expected to understand the scientific significance and value of the data obtained by solar system science exploration, and shall (1) play a central role in research and development of the data processing technology consistently from data acquisition and processing on spacecraft to ground data processing, (2) contribute the exploration projects from the system development / testing stage to satellite operation in order to generate high-value-added products, (3) promote international cooperation in anticipation of international trends in the standardization of data processing.

To carry out the above duties, the professor and the associate professor must meet at least the following conditions.

【Professor】

- He/she has an advanced academic achievement and research experience in the field of solar system science, which has been highly recognized within the international community of researchers and possesses enthusiasm for promoting solar system science exploration.
- He/she has experience as a member of a solar system science exploration project team.
- He/she has to be able to look over the data processing / archiving in the world's solar system science exploration and demonstrate leadership as the center of the data processing / archiving structure inside and outside ISAS.
- He/she has a high degree of internationality.
- He/she has the ability to educate and instruct graduate students.

【Associate professor】

- He/she has to possess enthusiasm for creating a new form of solar system science by incorporating new data technologies from an interdisciplinary and international perspective while engaging in solar system science research.
- He/she has a wide range of interests and motivation to realize high-speed processing of diverse and enormous amounts of data, and has the necessary peripheral technology and experience.
- He/she has an achievement of making significant contributions to data processing by participating in a solar system science exploration project.
- He/she has a long-term vision for data processing in solar system science exploration and has the ability to utilize its own knowledge to realize it.
- He/she has the ability to educate and instruct graduate students.

ISAS/JAXA functions as a hub for the space science activities in Japan. While ISAS is a science institute of Japanese space agency JAXA, it is also embedded in the collaboration network among Japanese universities. Flight projects are the keys to promoting space science. In the network, ISAS, teaming up with other JAXA members as well as academic members outside JAXA, plays the special role of materializing flight projects. Thus, ISAS members are expected to play vital roles in running the projects.

We are looking for a highly motivated staff who can carry out his/her academic research in a project-oriented style, in collaboration with university researchers under the inter-university framework. Active participation to various JAXA projects and R&Ds to demonstrate his/her academic expertise is also expected. Human resource development for future space development and utilization is anticipated as natural outcome of the above-mentioned activities.

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, annual vacation, WLB(Work Life Balance) 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) 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 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, affiliation, telephone numbers, and e-mail addresses for a direct inquiry from JAXA).
- (8) Photocopies of major research papers (up to 5) limited to those published in peer-reviewed academic journals. Describe the impact factor or the number of citations.

Note: 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

Professor <https://isas-appli-form.jaxa.jp/forms1/1617678258>

Associate Professor <https://isas-appli-form.jaxa.jp/forms1/1617680804>

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, July 2, 2021, noon (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 Solar System Sciences:

Prof. Saito Yoshifumi

E-mail: saito.yoshifumi@jaxa.jp

For inquiries regarding Application Submission in Section 8:

Management and Integration Department Human Resources Section

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

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.