

**Job Announcement for**  
**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 (Academic Staff) for the Department of Spacecraft Engineering, the Institute of Space and Astronautical Science (ISAS), as described below.

**1. Title and Number of Position(s)**

One Associate Professor (Academic Staff)

**2. Department**

Department of Spacecraft Engineering, Institute of Space and Astronautical Science, JAXA.

Institution URL: <http://www.isas.jaxa.jp/e/index.shtml>

Department outline: <http://www.isas.jaxa.jp/e/about/professor/index.shtml#05>

**3. Summary of Position (Duties and Required Abilities)**

Technologies for determining the trajectory of deep-space probes using radio waves are indispensable for the successful scientific exploration of the solar system. As missions for solar system exploration become more advanced, technologies for determining the orbit of spacecraft more precisely, along with the infrastructures that implement them, are required. The Department of Spacecraft Engineering conducts academic studies on spacecraft technologies, ground system technologies and their applications; and studies on orbit determination technologies are an important study topic of the Department.

Responsibilities include (but are not limited to):

- Perform basic research on orbit determination for deep-space probes (in particular, new methods for measuring trajectory using radio waves) with original ideas;
- Develop advanced technologies (including hardware and software) for realizing precise orbit determination required by future deep-space probes;
- Contribute to the construction and maintenance of JAXA's deep-space tracking stations from the perspective of orbit determination and radio wave measurement; and
- Promote collaboration with researchers from other universities and engage in teaching and directing graduate students, based on the understanding that JAXA/ISAS acts as an inter-university research system.

Required qualifications include:

- Experience in research and actual operations in the field of orbit determination for deep-space probes, and achievements that are (or have the potentiality of being) highly evaluated worldwide;
- Ability (or potentiality) to lead a worldwide community in the field of orbit determination for deep-space probes and radio wave measurement;
- Ability to teach and direct 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 will be provided in full.

## 5. Eligibility

PhD degree is required.

## 6. Commencement of Assignment

At the earliest possible date after selection.

## 7. Application Documents

Submit one copy each of the following:

- (1) Curriculum vitae
- (2) Research career
- (3) List of research achievements, including published papers and other publications, and photocopies of major research papers or other publications.
- (4) Outline of previous research and future research plan (including contribution to projects and ambitions for educational activities).
- (5) List of awarded research funds through competition (type of funds, amount, principal investigator or co-investigator).
- (6) Contact information for two references (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. Application Deadline

Application with a full set of documents in Japanese or English, must be received by ISAS/JAXA by April 15, 2016, via registered mail or international courier.

## 9. Address

Submit applications to:

Human Resources Section  
Management and Integration Department,  
Institute of Space and Astronautical  
Science, The Japan Aerospace Exploration  
Agency  
3-1-1 Yoshinodai, Chuo-ku, Sagamihara, Kanagawa 252-5210, Japan  
Fax: +81-42-759-8440

Note: Please indicate “Application documents for the associate professor position at the Department of Spacecraft Engineering included” clearly on the envelope in red. Please note that

the application documents will not be returned. Applicant must pay her/his own travel and accommodation expenses.

10. Contact at the Department of Spacecraft

Engineering

Prof. Takahiro Yamada

Director

Department of Solar System Sciences

Institute of Space and Astronautical Science,

JAXA

Tel: +81-50-3362-6115

E-mail: tyamada@isas.jaxa.jp

11. Other Remarks

Applications will be examined and selected by the Advisory Council for Research and Management of ISAS, JAXA. 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.