

Job Announcement for  
Associate Professor Position (full time) at  
Institute of Space and Astronautical Science,  
Japan Aerospace Exploration Agency

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 Flight Systems, Institute of Space and Astronautical Science (ISAS)

3. Summary of Position (Duties and Required Abilities)

Space exploration projects such as satellite/asteroid sample return missions and landing missions to planets with atmospheres as well as development projects of revolutionary space transportation systems such as reusable sounding rockets are planned at ISAS. These projects require development of new technologies related to aerodynamics and the gas dynamics of atmosphere entry, descent, and recovery systems. In addition, proposals for innovative missions based on such technologies are also expected. The Department of Space Flight Systems conducts academic research ranging from the basics through to applications related to space flight systems. Fundamental research related to aerodynamics/gas dynamics and their application to space science missions are main research topics.

Responsibilities include (but are not limited to):

- Promote fundamental research on aerodynamics and gas dynamics that contributes to the realization of innovative space flight systems in the future based on free conception;
- Challenge advanced technologies from the point of view of aerodynamics and gas dynamics, and propose and promote innovative missions related to entry, descent, and recovery systems required for space exploration projects such as satellite/asteroid sample return missions and planetary exploration missions; and
- Promote collaboration with researchers from other universities and engage in teaching and directing graduate students, based on the understanding that ISAS/JAXA acts as an inter-university research system.

Required qualifications include:

- Experience in research related to aerodynamics/gas dynamics of space flight systems, and achievements that are (or have the potentiality of being) highly evaluated both in Japan and worldwide;
- Experience and/or strong will in demonstration research using flight systems;
- Ability to take leadership of research and development activities in aerodynamic and gas dynamics related to projects and to collaborate technically with related subsystems;

- Experience or potentiality to lead community composed of multi-disciplinary researchers to promote innovative research in aerospace engineering; and
- 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 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 will be provided in full.

#### 5. Eligibility

PhD degree is required.

#### 6. Commencement of Assignment

At the earliest possible date after selection. Basically from the first day of a month during Japanese FY2016.

#### 7. Application Documents

Submit one copy each of the following:

- (1) Curriculum vitae
- (2) Research career
- (3) Summary of previous researches
- (4) List of research achievements, including published papers and other publications (impact factors shall be specified).
- (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 or other publications

#### 8. Submission

Submit the application through the following web-site

<https://isas-appli-form.jaxa.jp/forms1/1465956124>

following the instructions on the web.

The files shall be in pdf format, especially, documents (2) to (6) shall be merged into one pdf file.

Referees are going to be asked to upload their recommendation directly on the web. Application delivered neither personally nor by mail shall be accepted.

#### 9. Application Deadline

September 1, 2016, 9:30 (JST).

#### 10. Contact at the Department of Space Flight Systems

Prof. Eiichi Sato

Director

Department of Space Flight Systems

Institute of Space and Astronautical Science, JAXA

Tel: +81-50-3362-2469 E-mail: [sato@isas.jaxa.jp](mailto:sato@isas.jaxa.jp)

#### Contact at Management and Integration Department

Human Resources Section

Fax:+81-42-759-8440 E-mail : [ISAS-JINJI@jaxa.jp](mailto:ISAS-JINJI@jaxa.jp)

#### 11. Other Remarks

Applications will be examined and selected by the Advisory Council for Research and Management of ISAS, JAXA. The travelling fee necessary for the examination and selection shall be 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.