

**Job Announcement for Professor Position (full time)  
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 (Academic Staff) at the Department of Space Astronomy and Astrophysics, the Institute of Space and Astronautical Science (ISAS), as described below.

1. Title and Number of Position(s)

One Professor (Academic Staff)

2. Department

Department of Space Astronomy and Astrophysics, Institute of Space and Astronautical Science, JAXA.

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

3. Summary of Position (Duties and Required Abilities)

The Institute of Space and Astronautical Science promotes research into fundamental physics based on observations as an important field of space physics. Within the field, research into the early universe through observations of the cosmic microwave background is an important theme. The professor being recruited in this announcement must have profound academic knowledge, experience and achievement in astronomy and astrophysics, and is expected to lead the research into the early universe based on observations of the cosmic microwave background. For the time being, the professor is expected to lead the development of the mission instruments on board LiteBIRD, which observes the polarization of the cosmic microwave background, and is being studied as a strategic large mission. The professor will be assigned to the Department of Space Astronomy and Astrophysics, and shall conduct the following work:

- Promote, as team leader, the development of the entire range of mission instruments (such as low-temperature detectors, low-temperature signal processors, optics, cooling system, and room-temperature signal processors) on board LiteBIRD in close collaboration with other team members, JAXA staff, contract

companies, and international partners. In addition, promote development of the bus module best-suited for the LiteBIRD mission with the system company.

- Based on the understanding that JAXA/ISAS acts as inter-university research system, the successful applicant will conduct research in collaboration with researchers from other universities. Also, he/she will be engaged in teaching and directing graduate students, and will actively participate in various studies and projects conducted within JAXA.

In view of the above, the professor being recruited must satisfy the following conditions:

- Have experience in developing instruments for space observations in millimeter and sub-millimeter wavebands, and have achieved world-level results.
- Have the capability to show good leadership in the development of mission instruments on board satellites.
- Have the 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.

A fixed-term appointment under a cross-appointment system is also possible. In this case, JAXA and the other party need to conclude an agreement to determine the work ratio.

(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 in the field of space science 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 (3 or less) 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 professor position at the Department of Space Astronomy and Astrophysics 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 Space Astronomy and Astrophysics

Prof. Tadayasu Dotani

Director

Department of Space Astronomy and Astrophysics

Institute of Space and Astronautical Science, JAXA

Tel: +81-50-3362-5544

E-mail: [dotani.tadayasu@jaxa.jp](mailto:dotani.tadayasu@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.