

JOB VACANCY ANNOUNCEMENT

-Assistant Professor, National Astronomical Observatory of Japan (NAOJ) -

NAOJ invites applications for an assistant professor position as follows:

1. Job Title: Assistant Professor, one position
2. Division and Location: RISE Project, Mitaka, Tokyo, Japan (or Oshu, Iwate, Japan, if the successful candidate requests.)
3. Area of Expertise: Planetary sciences, astrodynamics, geophysics and/or related fields
4. Job Description:

The National Astronomical Observatory of Japan (NAOJ) has been a major contributor of planetary explorations of JAXA (Japan Aerospace Exploration Agency). NAOJ has the RISE Project which now participates in Martian Moons eXploration (MMX) project of JAXA/ISAS (<https://www.mmx.jaxa.jp/en/>) to lead MMX Geodesy sub science team (G-SST). G-SST is responsible for (a) providing MMX science members with high-quality geodetic products such as spacecraft orbits and Phobos shape model, and (b) investigating internal structure of Phobos. To fulfill these responsibilities, G-SST collaborates with Instrument Teams and Working Teams that are closely related with (a) and (b), examines spacecraft operations in the vicinity of Phobos, and promotes cooperation with foreign space agencies and institutions. The RISE Project makes the best use of its experiences in geodetic studies of SELENE and Hayabusa2 missions for MMX, particularly, in (A) analysis of spacecraft orbits and Phobos gravity field, (B) shape modelling, and (C) laser altimeter (LIDAR) measurement.

A successful candidate for this position is expected to contribute to the G-SST activity, primarily to shape model development by using the camera images and LIDAR ranging data in cooperation with the G-SST members outside of NAOJ, including international members, to achieve scientific goals regarding (b). Because geodetic study of small bodies is a new field of planetary sciences, the candidate is needed to pioneer self-directed research in planetary geodesy. In a long-term vision, the responsibilities of this position require continuously serving planetary science community and demonstrating outstanding performance in research, such as orbital evolution, thermal history, and internal structure of small bodies, icy satellites, the Moon, and Mars. Besides, promoting international collaborations and fostering of young scientists including students in the PhD's program are required as a part of the responsibility.

5. Terms of Appointment:

The selected candidate should be able to start as soon as reasonably possible after the job offer has been accepted. The term of the contract will continue up to the end of the Japanese academic year in which the faculty reaches NAOJ's mandatory retirement age of 65.

A review for the continuation of employment will occur before the beginning of the sixth year. The review may result in the candidate being requested to transfer to another position within NAOJ.

Probation period: 6 months

6. Qualifications:

- (1) Minimum Educational Requirement: Ph.D. or equivalent; and
- (2) Other Requirements: To have sufficient English language proficiency to take part in scientific/technical discussions in face-to-face meetings, video conferences and teleconferences.

7. Required Application Materials: (*To be prepared in English. Any other language will not be accepted)

- (1) A cover letter;
- (2) A curriculum vitae;
- (3) Publications list (Separate refereed and non-refereed papers. SPIE and COSPAR can be included in refereed papers);
- (4) A summary of your past research activities including international collaborations;
- (5) Your commitment and plan to fulfill the duties (including your research plan as needed);
- (6) Your address (e-mail and phone) for prompt contact and the email address of your current supervisor or line manager; and
- (7) Three or more reference letters. Note that your current supervisor or line manager cannot be your reference. Please ask your references to upload the letters directly using the URL indicated in 9 by the application deadline. Applicants are responsible for ensuring that the letters arrive before the application deadline. (all reference letters should be written by faculty/staff with tenured positions, and no more than one reference letter will be accepted from each country.)

8. Application Deadline: 2021-11-15, 12:00 (noon) (Japan Standard Time)

9. Submission:

Applicants are required to apply via the NAOJ Nextcloud on the web. Please access the application form at the following URL:

<https://forms.office.com/r/SRwaJWdvMS>

After you submit the initial form, you will receive an email showing the URLs for (a) uploading your application documents, and (b) for your reference letters.

Once you get the URL(a) for your application documents, please upload the files corresponding to the documents (1) through (6) stated in 7. These files must be in PDF format (max 50MB each, 100MB in total, at most 10 files).

Please ask your references to upload their letters via the URL(b) you receive for this purpose.

If you have any question related to the job description, contact

E-mail: nori.namiki_AT_nao.ac.jp (replace _AT_ with @)

Dr. Namiki, Noriyuki,

Director of RISE Project, NAOJ

Subject of e-mail: "Question on JD of Assistant Professor of NAOJ RISE Project"

If you have any question related to the job application system or other items, contact

E-mail address: apply-rise-assistantprof20211115_AT_nao.ac.jp (replace _AT_ with @)

Subject of e-mail: "Question on Assistant Professor of NAOJ RISE Project"

10. Labor Conditions:

(1) Work Type and Work Hours:

The Discretionary Labor System for Professional Work shall be applied.

(Standard work hours: 38.75 hrs/week, from 8:30 to 17:15 with an hour intermission)

(2) Holidays:

Saturdays and Sundays, National Holidays, New Year holidays (December 29th - January 3rd),

Annual paid leave (20days: to be prorated for the first year), Summer holidays (3 days)

(3) Social Insurances:

MEXT Mutual Aid Association (health insurance), Employees' Pension Insurance, Employment Insurance, Industrial Accident Compensation Insurance

(4) Remuneration:

Salary: The amount of an annual salary shall be determined based on the school career and job experiences in accordance with the NINS regulations (NINS, or the National Institutes of Natural Sciences, is an executive institute that manages NAOJ). The payment will be made monthly in 12 equivalents.

Allowances: Dependent allowance, residential allowance, commutation allowance, and the other allowances will be paid when the requirements based on the NINS regulations are all filled. The equivalent of the term-end allowance and the diligence allowance shall be included in the annual salary.

Salary Increase: Once a year in accordance with the performance evaluation

Retirement Allowance: Shall be paid

11. Remarks:

- Candidates selected in the final short list may be interviewed by the selection committee either via the internet or face-to-face. The expense for the interview will not be covered by NAOJ.
 - NINS Employee Regulations shall be applied to this position.
 - Smoking is prohibited on the premises excluding designated outdoor smoking areas.
 - Policy for Equal Employment Opportunity: Abiding by the Equal Employment Opportunity Act for Men and Women, NAOJ is committed to the realization of a society with gender equality.
 - If two candidates are deemed equal in their performance evaluation, NAOJ will take positive action to employ women.
 - If you have taken a leave(s) such as for maternity, child care, and/or family care, please indicate it in your curriculum vitae. We will consider it when assessing your performance.
- For further information about NAOJ's efforts to achieve gender equal society, see <https://www2.nao.ac.jp/~open-info/danjokyodo/index.html>
- Information submitted in your application documents will not be used for any purpose other than the selection process and for contacting you with necessary notices in connection with the selection. Once the selection process is complete, we will securely dispose of all application documents and personal information, except for those submitted by the successful candidate.

12. Name of recruiter

Inter-University Research Institute Corporation, National Institutes of Natural Sciences (NINS), National Astronomical Observatory of Japan (NAOJ)