

JOB VACANCY ANNOUNCEMENT

Project Associate Professor, National Astronomical Observatory of Japan (NAOJ)

NAOJ announces a Project Associate Professor position for the Deputy Project Manager at the NAOJ ASTE (Atacama Submillimeter Telescope Experiment) Project to play a key role in operations and future planning of the ASTE Telescope, based on the KAKENHI Grant-in-Aid Specially Promoted Research “Formation Processes of Heavy Elements in the Early Universe Elucidated by Superconducting Nanoelectronics, Large-Scale Numerical Simulations, and Data Science” (FY2024-2028; PI: Prof. Kotaro Kohno (The University of Tokyo), Co-I: Assoc. Prof. Tetsuhiro Minamidani (NAOJ)).

1. Job Title: ASTE Deputy Project Manager / Project Associate Professor, one position
2. Division and Location: NAOJ Chile, ASTE Project, Mitaka, Tokyo 181-8588, Japan
Frequent business trips to the ASTE site in Chile are required.
(Scope of possible changes) no changes

3. Area of Expertise: Radio Astronomy

4. Job Description:

The National Astronomical Observatory of Japan (NAOJ) has been playing a leading role at the forefront of global astronomical research, as demonstrated in the construction and operation of large-scale astronomical facilities such as the Subaru Telescope, ALMA, and TMT (Thirty-Meter Telescope) and the development of space-based instruments such as the Hinode Satellite for solar observation, and strives to promote cutting-edge astronomy utilizing these advanced telescopes.

The missions of the NAOJ ASTE Project are to deliver observing data sets to the scientific community by operating the ASTE Telescope, which is located at 4800 m altitude in the northern area of Chile, including the activities for developments of new technologies under the collaboration with relevant institutes and organizations, leading the design of new scientific requirements for the coming years and more in astronomical observations particularly at the submillimeter wavelength.

NAOJ invites applicants for one Project Associate Professor who is based in Mitaka, at NAOJ Headquarters, and contributes, as the ASTE Deputy Project Manager, to the steady operations and future planning of the ASTE Telescope, based on the KAKENHI Grant-in-Aid Specially Promoted Research “Formation Processes of Heavy Elements in the Early Universe Elucidated by Superconducting Nanoelectronics, Large-Scale Numerical Simulations, and Data Science” (FY2024-2028; PI: Prof. Kotaro Kohno (The

University of Tokyo), Co-I: Assoc. Prof. Tetsuhiro Minamidani (NAOJ)), especially related to, but not limited to, On-chip imaging spectrometer ‘TIFUUN’ supported by European Research Council (ERC) Consolidator Grant (PI: Akira Endo (Delft University of Technology)).

The successful candidate will be expected to work under and/or on behalf of the ASTE Project Manager:

- (1) To be responsible for a part of On-Site operations of the ASTE Telescope with frequent travels to the ASTE Site (4800 m alt.), near San Pedro de Atacama (2450 m alt.), Chile;
- (2) To be responsible for the coordination of On-Site crew shift and operation schedule, and the necessary arrangements together with NAOJ Chile-based staffs;
- (3) To contribute to the future planning of the ASTE Telescope, together with relevant institutes, organizations, and communities.

To fulfill these responsibilities, basic knowledge of radio telescopes and instruments, and experiences in telescope operations and commissioning are required.

The successful candidate will be expected to assign 75 % of her/his working time for above tasks. With the remaining 25 %, the successful candidate will be expected to actively perform their own excellent scientific research with ASTE, ALMA, and other cutting-edge facilities. Fostering young scientists including PhD students and Post-Doctoral researchers who are involved in the ASTE Telescope will be also expected.

(Scope of possible changes) no changes

5. Terms of Appointment:

The successful candidate should be able to start as soon as reasonably possible after the job offer has been accepted.

The term is until March 31st, 2029 including the probation period of six (6) months.

An annual performance review will be conducted.

In case that the successful candidate was an NINS employee after April 1st, 2013 the term may be set so that total accumulated terms of the employment does not exceed ten (10) years.

(Renewal of Contract) Contract will not be renewed.

6. Qualifications:

- (1) Minimum Educational Requirement: Ph.D. or equivalent in astronomy or related

fields;

- (2) To have good scientific record;
- (3) To have experiences in telescope operations and commissioning;
- (4) To have good communication skills and sufficient Japanese and English languages proficiency to participate, discuss, and collaborate Japanese/English speaking teams in face-to-face and remote meetings.

7. 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), Paid days off (annual leave, refreshment leave, etc.)

(3) Social Insurances:

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

(4) Remuneration:

Salary: The amount of annual salary shall be determined based on the school career and job experiences in accordance with the NINS regulations, equivalent to an associate professor position. The payment will be made monthly in 12 equivalents.

Allowances: Commuting expenses (up to 55,000 JPY per month) will be provided.

Retirement allowances are not provided.

(5) Others:

- Day-care center for children (from 57 days old). * Availability depends on the situation. Childcare staff does not provide English support.
- Smoking is prohibited on the premises excluding designated outdoor smoking areas.
- Travel and relocation costs to NAOJ will be covered, subject to the travel regulations on NINS (details must be arranged with the administration office).

8. Required Application Materials:

- (1) Cover letter;
- (2) Curriculum vitae;
- (3) Publication list (Separate refereed and non-refereed papers. SPIE Proceedings can be included in refereed papers.);
- (4) Summary of your past research activities including experience in telescope

operations and commissioning;

- (5) Your plans to fulfill the responsibilities and aspirations for the position (including your research plan as needed);
- (6) Your easily reachable contact information (e-mail and phone) and the e-mail address of your current supervisor or line manager; and
- (7) Three or more reference letters. Reference letters should be written by faculty/staff with tenured positions. Reference letters from multiple countries are preferred. Please ask your references to upload their letters directly using the URL indicated in 10.(2) before the application deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline.

9. Application Deadline: September 9, 2024, 12:00 (noon, Japan Standard Time)

10. Submission:

Applicants are required to apply via the NAOJ Nextcloud on the web.

(1) Please access the following URL for registration:

<https://forms.office.com/r/iE3D1qbgrZ>

(2) After you submit the registration form, you will receive an email showing the URLs for (a) uploading

your application documents and (b) for your reference letters.

(3) Please ask your references to upload their letters via the URL (2)(b).

(4) Please upload the application documents (from 8. (1) through 8. (7) above) via the URL (2)(a). These

files must be in PDF format (max 50MB each, 100MB in total, at most 10 files).

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

ASTE Project Manager: Tetsuhiro MINAMIDANI

E-mail: tetsuhiro.minamidani_AT_ao.ac.jp (replace _AT_ with @)

Subject of e-mail: "Question on JD of ASTE Project Associate Professor"

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

E-mail: job15-naoj-prf_AT_ao.ac.jp (replace _AT_ with @)

Subject of e-mail: "Question on ASTE Project Associate Professor"

11. Notes for Application:

- Candidates selected in the final short list may be interviewed by the selection committee either via internet or face-to-face. The expense for travel to the interview will not be covered by NAOJ.

- If the selection committee deems that there is no qualified candidate for this position, it is possible no one will be selected.

12. Remarks:

- Eligible to apply for KAKENHI Grants-in-Aid for Scientific Research.
- The NAOJ Advisory Committee for Research and Management will make the final decision for the appointment.
- 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. For details, see <https://www2.nao.ac.jp/~open-info/gender-equality/en/>
- If you have taken a leave(s) such as for maternity, childcare, and/or family care, please indicate it in your curriculum vitae. We will take it into account when assessing your performance.
- 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.

13. Name of Recruiter:

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