

JOB VACANCY ANNOUNCEMENT

Associate Professor, National Astronomical Observatory of Japan (NAOJ)

The National Astronomical Observatory of Japan (NAOJ) announces a vacancy for an Associate Professor position to serve as Project Scientist at the NAOJ ALMA Project to lead the NAOJ ALMA Science team, and to provide scientific input for the operations, maintenance and development of ALMA, at the same time that performs excellent research with ALMA and other cutting-edge facilities.

1. Job Title: Associate Professor, one position
2. Division and Location: NAOJ ALMA Project, NAOJ, Mitaka, Tokyo 181-8588, Japan
3. Area of Expertise: Radio Astronomy, and Interferometry
4. Job Description:

NAOJ has been playing a key role in the forefront of astronomical research worldwide, as demonstrated in the construction and operation of large-scale astronomical facilities such as Subaru Telescope, ALMA, and TMT (Thirty-Meter Telescope) as well as in the development of space-based instruments. ALMA is the largest (sub)mm-wave on-ground telescope and has been producing ground-breaking science since it became operative in 2011. In order to keep its high scientific productivity, ALMA will be upgraded towards addressing the updated scientific goals identified in the ALMA Development Roadmap.

NAOJ invites applications for one Associate Professor who is based in Mitaka, at NAOJ Headquarters, and who will serve as the NAOJ ALMA Project Scientist. ALMA continues to deepen our knowledge in a wide range of scientific fields, namely: 1) Cosmology and the high redshift universe; 2) Galaxies and the galactic nuclei; 3) ISM, star formation and astrochemistry; 4) Circumstellar disks, exoplanets and the solar system; and, 5) Stellar evolution and the Sun. The successful candidate is expected to actively and vigorously perform their own excellent scientific research with ALMA and other cutting-edge facilities, and to promote science collaboration with ALMA in NAOJ and in the East Asia Community. The candidate is expected to lead research in any of the ALMA science fields and pioneer novel research, with great potential for multiwavelength astronomy. Mentoring young scientists including PhD students and Post-Doctoral researchers is also expected as part of the responsibility.

Apart from scientific research, the successful candidate is expected to: 1) promote collaboration in the EA ALMA Community and the use of ALMA by a wide range of scientists, including those with a background different from radio astronomy; 2) ensure that ALMA operations, maintenance and development plans are in line with ALMA Science Requirements; 3) plan and conduct activities to collect and summarize science demands in East Asia, and to support Development Projects and Studies to make them scientifically attractive; and 4) to promote and plan the synergy of ALMA with other current and future astronomical facilities.

As the key central figure for ALMA Science at NAOJ, the successful candidate is

expected to be the major interface with the ALMA and regional Science Advisory Committees (ASAC/EASAC/JSAC). Strong scientific leadership to lead groups and influence research communities, and good communication skills to establish and to maintain good relationship with JAO and North American and European Executive partners are necessary.

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 of the contract is up to the end of the Japanese academic year in which the faculty reaches NAOJ's mandatory retirement age of 65.

Probation period: six months.

6. Qualifications:

- (1) Minimum Educational Requirement: Ph.D. or equivalent in astronomy or related fields;
- (2) To have an outstanding scientific record, but also to have a wide view and interest in various fields of astronomy and related disciplines.
- (3) To have deep expertise in radio astronomy and radio interferometry;
- (4) To have good communication skills and good English proficiency to clearly convey Japan's position in discussions at Face-to-Face and remote meetings, and to join, discuss and collaborate in English speaking teams;
- (5) Strong interpersonal communication skills and ability to work in a team with diverse cultural background will be considered important assets for this position.

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 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) Five 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 9.(1) before the application deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline.

8. Application Deadline: 2022-06-24, 12:00 (noon) (Japan Standard Time)

9. Submission:

- (1) 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/zD89HVWZ1A>

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 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). The file name of application documents should be stated applicants name, applied project and position.

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

(2) If you have any question related to the job description, contact;

E-mail address: Alvaro.Gonzalez_AT_nao.ac.jp (replace _AT_ with @)

Alvaro Gonzalez, NAOJ ALMA Project Manager, NAOJ

Subject of e-mail: "Question on JD of Project Scientist of NAOJ ALMA Project"

If you have any question related to the other items, contact,

E-mail address: apply-ALMA-assocprof20220624_AT_nao.ac.jp (replace _AT_ with @)

Subject of e-mail: "Question on Project Scientist of NAOJ ALMA 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, Summer holidays, Bereavement leave, etc.

(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
- Travel and relocation costs to NAOJ will be covered, subject to the travel regulations of NINS (details must be arranged with the administration office).

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.

- If the selection committee deems that there is no qualified candidate for this position, it is possible no one will be selected.
 - 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, childcare, 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/gender-equality/en/>
- 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)