

JOB VACANCY ANNOUNCEMENT

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

The National Astronomical Observatory of Japan (NAOJ) announces a vacancy for an Associate Professor position as Commissioning Scientist at the East Asian ALMA Regional Center (EA-ARC) of the NAOJ ALMA Project to enhance the team to support ALMA science operations and commissioning of new observing modes, and to conduct excellent scientific research with ALMA and other world-leading astronomical facilities.

1. Job Title: Associate Professor, one position
2. Division and Location: NAOJ ALMA Project, EA-ARC, 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. In coming years, ALMA is expected to introduce technical upgrades to advance a wide range of scientific studies, including a significant reduction of the time required for deep continuum surveys, chemical spectral scans, and blind redshift surveys. In particular, the fundamental science drivers in this new phase of the ALMA Project will be to deepen our knowledge in the origins of planets, in the origins of chemical complexity, and in the origins of galaxies.

NAOJ invites applications for one Associate Professor position who conducts their own cutting-edge scientific research with ALMA and other world-leading astronomical facilities and at the same time leads the exploration of new research fields. The successful candidate will be expected to scientifically collaborate with researchers at NAOJ as well as the broader East Asia (EA) community members.

The successful candidate is expected to support the scientific operations of ALMA and lead commissioning efforts of new observing modes and capabilities as Commissioning Scientist. This contribution is expected to be critical in the ALMA2030 Wideband Sensitivity Upgrade (WSU) and subsequent major commissioning efforts to offer a new set of upgraded observing capabilities for open use. The successful candidate will additionally support some of the EA ALMA Regional Center major activities (proposal preparation support, observing program preparation support, data reduction and data quality assurance, pipeline data

reduction, user helpdesk, etc.), support other science promotion tasks by contributions at science meetings and the annual ALMA Users Meeting, and collaborate with Joint ALMA Observatory (JAO) and North American and European Executive partners. The Commissioning Scientist is expected to spend a significant amount of time in Chile in the future in the fulfillment of their main responsibility to contribute to WSU (and other) commissioning activities in a leadership position, working in close coordination with the JAO Department of Science Operations, and Commissioning Scientists from other regions.

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.

The probation period of six months is included.

6. Qualifications:

- (1) Minimum Educational Requirement: Ph.D. or equivalent in astronomy or related fields;
- (2) To have an excellent scientific record;
- (3) To have expertise in radio astronomy and radio interferometry;
- (4) To have experience in the commissioning of instruments or new observing modes in radio telescopes;
- (5) To have good communication skills and good English proficiency to effectively collaborate and participate in discussions at Face-to-Face and virtual meetings, and to join, discuss and collaborate in English-speaking teams;
- (6) 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) A publications list (Separate refereed and non-refereed papers. SPIE can be included in refereed papers.);
- (4) 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. 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: 2022-11-04, 12:00 noon (Japan Standard Time)

9. Submission:

9.1 How to Apply:

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/jLVVWfxp36>

(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 7. (1) through 7. (6) above) via the URL (2)(a). These files must be in PDF format (max 50MB each, 100MB in total, at most 10 files).

(5) We will let applicants know the reception status of documents including reference letters before the deadline via e-mail.

9.2 Contacts:

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

Alvaro Gonzalez, NAOJ ALMA Project Manager, NAOJ

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

Subject of e-mail: "Question on JD of EA-ARC Associate Professor"

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

E-mail: job02-associateprof_AT_nao.ac.jp (replace _AT_ with @)

Subject of e-mail: "Question on EA-ARC Associate Professor"

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 online or in person. Applicants will be responsible for all costs associated with the interview (transportation, communication, etc.).
- The NAOJ Advisory Committee for Research and Management will make the final decision for the appointment.
- NINS Employee Regulations shall be applied to this position. As for annual salary, Research-Education Employee Base Annual Salary Table (2) (研究教育職本給年俸表(二)) shall be applied.
- 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 take it into account when assessing your performance.

For further information about NAOJ's efforts to achieve gender equal society, please 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)