

JOB VACANCY ANNOUNCEMENT

The National Astronomical Observatory of Japan (NAOJ) invites applications for a Senior Specialist (Data Analyst) at the East Asia ALMA Regional Center of the NAOJ ALMA Project.

ALMA is currently the most advanced ground-based radio telescope at millimeter and sub-millimeter wavelengths. It is located in Chile and operated by a global partnership of East Asia, North America and Europe, in cooperation with the Republic of Chile. The East Asia ALMA Regional Center (ARC) at NAOJ provides the user support at every stage from proposal submission to data-delivery and data analysis to help the East Asian user community produce the highest quality science.

NAOJ is looking for a data analyst who in particular will work for quality assurance of ALMA data delivered to the users in East Asia. This includes pipeline and manual processing of the interferometric and single-dish data. The analyst will work in the data processing team at NAOJ.

【Vacant post】 One Senior Specialist (employee on annual salary system)

【Division】 ALMA Project

【Duty Station】 2-21-1 Osawa, Mitaka, Tokyo, Japan

【Responsibilities】

The successful candidate's responsibilities will be:

- Quality assurance of observational data obtained with ALMA: To confirm through data processing and its results that the data calibration by the ALMA Observatory is properly performed, and achieves the desired angular resolution, angular scale, and noise level specified in the proposal,
- Investigations of data issues: To investigate various problems in observational data as a part of the quality assurance and user support,
- Software Testing: To support the testing of the ALMA software used to process data and/or perform observations,
- Support for training sessions: To provide support for lectures and hands-on training at data reduction workshops hosted or co-hosted by the NAOJ ALMA Project,
- Support operations of the data analysis team: To maintain documentation and website for the data analysis team in the East Asia ALMA Regional Center.

【Term of Employment】

- Employment will start from the date as soon as reasonably possible after the job offer has been accepted. The term is for 3 years (※1), including the probation period of 6 months.
 - ※1: Renewal of the contract will be reviewed in the year of expiration or around six months before expiration. (※2)
 - ※2: Note that the total period of employment from April 1, 2013 shall be within 10 years if the person has been employed by National Institutes of Natural Sciences (NINS) after April 1, 2013.

【Qualification Requirements】

1. Experience in using Unix/Linux operating systems and analyzing data from astronomical observations
2. Good communication skills in English
3. (Preferred) Proficiency in Python
4. (Preferred) Master's degree or higher in astronomy or related field, or equivalent knowledge and work experience

【Working Days and Hours】

- 5 days a week (Monday through Friday) with Saturday and Sunday off, national holidays, year-end and new year holidays (from December 29 through January 3 of the next year)
- From 8:30 am (start of working hours) to 17:15 (closing of working hours) including 60-min lunch break each day. The total working hours will be 38.75 hours a week.

【Compensation】

- Salary will be paid based on annual salary system, equivalent to an assistant professor at national universities or equivalent to an engineer at NAOJ in job classification.
 - One-twelfth of the annual salary will be paid every month. The amount of annual salary is determined according to responsibilities of work, actual performance, and experience etc.
 - Salary will be reviewed every fiscal year according to the results of performance reviews.
- Commuting allowance (up to 55,000 yen / month)
 - Allowances are provided pursuant to the NINS internal rules and regulations.
- Health insurance, pension insurance, unemployment insurance, and industrial accident insurance shall be provided.
- Paid days off (annual leave, summer holidays, and bereavement leave, etc.) shall be provided.
- Day-care center for children (from 57 days after birth) is available depending on the situation.
- Smoking is prohibited on the premises excluding designated outdoor smoking areas.

【Selection】

A candidate will be selected through screening of application documents and interview.

【Application documents】

- (1) A curriculum vitae with a face photograph
- (2) A summary of past work/research experiences
- (3) A personal statement describing intentions for the applied position including related experience and achievements about astronomical data analysis (in two pages of A4-sized paper). Please make sure to describe which items in **【Qualification Requirements】** and what level you have.
- (4) Your e-mail address and phone number for prompt contact

【Application deadline】

June 24th, 2021, 15:00 (JST)

【Submission】

Applicants are required to apply via email to:

NAOJ ALMA Project, Project Manager, Alvaro Gonzalez

E-mail: alma-yuki-application_AT_ao.ac.jp (replace _AT_ with @)

Subject of e-mail: "Application for a Senior Specialist at ALMA Project"

Please submit the documents specified above ("Application documents"). The application documents should be converted to PDF. (max 10MB per email)

After we receive your application, we will send you a confirmation email within three days, excluding holidays. If you do not receive an email, please contact us at the address below.

【Contact】

(Inquiry about application)

NAOJ Personnel Unit, General Affairs Group, Administration Department

TEL: 0422-34-3658

E-mail: apply-job_AT_ao.ac.jp (replace _AT_ with @)

Subject of e-mail: “Question on Senior Specialist at ALMA Project (Data Analyst)”

(Inquiry about job details)

NAOJ ALMA Project, Prof. Misato Fukagawa

E-mail: misato.fukagawa_AT_nao.ac.jp (replace _AT_ with @)

Subject of e-mail: “Question on Senior Specialist at ALMA Project (Data Analyst)”

【Others】

- Candidates selected in the final short list may be interviewed by the selection committee either via internet or face-to-face. The expense for the interview will not be covered by NAOJ.
- This position is not applicable to the debt-forgiveness program of the Japan Scholarship Foundation.
- Abiding by the Equal Employment Opportunity Act for Men and Women, NAOJ is committed to the realization of a society with gender equality. For details, 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, for those submitted by the successful candidate.