

**The National Astronomical Observatory of Japan (NAOJ) invites
applications for a Specially Appointed Senior Specialist (Backend Engineer)
at the NAOJ Chile Observatory**

【Vacant post】

One Specially Appointed Senior Specialist (employment based on annual salary system)

【Division】

NAOJ Chile Observatory

【Duty Station】

2-21-1 Osawa, Mitaka, Tokyo, Japan

【Responsibilities】

- Carrying out the design and development of the digital backend system (including the correlator and spectrometer) as part of the ALMA future plan, and working in close technical collaboration with international partners.
- Conducting a study for the improvement and upgrades of calculation accuracy of digital circuits and enhancing performance of the digital backend system (including the correlator and spectrometer).
- Providing operation support and maintenance of the ALMA telescope in Chile, and conducting on-site adjustment tests of newly developed instruments in Chile.

【Term of Employment】

- Employment will start from the date as soon as reasonably possible after selection for the period of 3 years from the starting date (※1)
- Probation period : 6 months
 - ※1: In the final fiscal year of the employment, NAOJ will conduct a review on the amount of assigned work, the status of ongoing work, work skills, work performance, work attitudes, and the financial situation of the National Institutes of Natural Sciences (NINS) at the expiration of the term of employment. Based on the review results, the term of employment may be extended. (※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 NINS after April 1, 2013.

【Qualification Requirements】

An applicant must be well-versed in the basics of radio interferometry and have knowledge and experience necessary to assume the responsibilities as mentioned above. Furthermore, it is desirable to fit in 3 items or more in the following items from 1 to 6. English is strongly recommended and will be highly considered in the selection process.

1. To have experience of development and evaluation of microwave related products.
2. To be familiar with digital circuits and signal processing technology.
3. To be familiar with analog circuit technology.
4. To have problem-solving skills in a mathematical way.
5. To have ability to read and write technical documents in English and communicate in English.
6. To have practical knowledge of radio interferometer design, as well as observation and operation experiences with radio interferometers.

【Working 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 a chief 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)
 - Health insurance (The Ministry of Education, Culture, Sports, Science and Technology Mutual Aid Association), pension (employees' pension), employment insurance, and workers' compensation insurance provided.
 - Paid days off (annual leave, summer holidays, and bereavement leave, etc.)
 - Day-care center for children (from 57 days after birth). *Availability depends on the situation.
- *: Allowances are provided pursuant to the NINS internal rules and regulations.

【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 experiences
 - (3) A personal statement describing intentions for the applied position including related experience and achievements (in two pages of A4 sized paper)
 - (4) Your e-mail address and phone number for prompt contact
- *: (2) and (3) should be prepared in English.

【Application deadline】

Open until filled

【Submission to】

- Director of the NAOJ Chile Observatory, Seiichi Sakamoto
E-mail address: alma-yuki-application_AT_ao.ac.jp
- Application documents should be prepared in separate PDF files and sent to the e-mail address above.
- Notes for applicants:
 - Replace “_AT_” with @ in sending to the e-mail address above. *The same rule will be applied to the following e-mail addresses.
 - Put “Application for Specially Appointed Senior Specialist (Backend Engineer)” in the subject line of your e-mail.
 - Upon receipt of your application, you will receive a confirmation mail. If you do not receive any reply from NAOJ within three days except Saturday, Sunday, and holidays, please contact the e-mail address below.

【Contact】

(Inquiry about application)

NAOJ Personnel Section of General Affairs Division, Administration Department

TEL : 0422-34-3658

E-mail : apply-qa_AT_ao.ac.jp

(Inquiry about job details)

NAOJ Chile Observatory, Kenichi Kikuchi

E-mail : kenichi.kikuchi_AT_ao.ac.jp

【Disclaimer】

- Application documents will be used only for the purpose of this selection. At the end of the selection, all application documents, except those of the selected candidate, will be discarded responsibly.
- Applicants are responsible for their own costs required for this selection (e.g. travel expenses for interviews).

【Others】

- 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. If candidates are deemed equal in their performance evaluation, NAOJ will take positive action to employ women. For details, see <http://open-info.ao.ac.jp/danjokyodo/>