

The National Astronomical Observatory of Japan (NAOJ) invites applications for Senior Research Engineer (Software engineering team leader) of the NAOJ Chile Observatory (Mitaka, Tokyo)

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1. Position: One Senior Research Engineer (equivalent to tenured associate professor position)

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(1) Division: NAOJ Chile Observatory

(2) Duty station: Mitaka, Tokyo

3. Job description:

The National Astronomical Observatory of Japan (NAOJ) is playing a major role in the design, development/assembly, operation, and maintenance of software and computer systems of international astronomical telescope projects, such as the ALMA telescope and the Thirty Meter Telescope (TMT).

NAOJ is seeking for one Senior Research Engineer (tenured) in the field of software and computing systems. The successful candidate will initially be assigned to the Chile Observatory and will be engaged in the design, development, operation, and maintenance of large software systems for the ALMA telescope and/or the TMT. The successful candidate is also expected to play a leading role in the technical and operational development and implementation of software and/or infrastructure commonly used among multiple NAOJ projects. The successful candidate will also be responsible for the training of other software engineers and computing system engineers.

Skills, Experience, and Key Competences:

Wealth of technical knowledge, expertise, and experience to conduct the above specified job responsibilities are required.

Leadership, excellent understanding of job responsibilities, cooperative personality, good communication, and team work skills are essential.

Applicants must be fluent in English in reading, writing, and speaking, in order to communicate and lead technical discussions in international projects.

4.

(1) Start of employment: As soon as reasonably possible after selection

(2) Term of employment: Indefinite (subject to the retirement age of 65).

5. Required qualification:

A Master's degree in Computer Science, Astronomy, Physics, Engineering, and experience in software system development related to research. Or a wealth of technical knowledge, expertise,

and experience to demonstrate possession of skills to fulfill the job responsibilities specified in "3. Work description".

Knowledge of astronomy is not required.

#### 6. Application documents:

- (1) Cover letter
- (2) Curriculum Vitae including academic (starting from high school) and employment history (engineering career to be included. If you have any achievements in a research/development project as a group member, describe your role and contribution in detail.)
- (3) Your commitment and plan to fulfill the duties (including your motivation and vision for applying for this position. A4,5-10 pages.)
- (4) List of research papers or patents (For research papers, peer-reviewed papers should be separated from others. For co-authored papers, roles played by applicant should be specified.)
- (5) PDF copies of research papers or documents that can be used to evaluate the applicant's engineering performance and potential (up to three)
- (6) Names, titles, and e-mail addresses of two reference persons
- (7) Your address (e-mail and phone) for a prompt contact
- (8) Reference letters (Not mandatory, please ask the reference persons to send the letter attached to an e-mail to the submission address shown in 8. (1) to arrive before the application deadline.)

#### 7. Application deadline: 2019-01-04, 17:00 (Japan Standard Time)

#### 8. Submission:

- (1) Send your application documents by e-mail to;  
E-mail: apply-agma-sre20181109\_AT\_nao.ac.jp (replace \_AT\_ with @)  
Subject of e-mail: "Application for Senior Research Engineer of NAOJ Chile Observatory".
- (2) If you have any inquiries, contact;  
Prof. Hideki Takami, Director of Engineering  
E-mail: apply-agma-sre20181109\_AT\_nao.ac.jp (replace \_AT\_ with @).  
Subject of e-mail: "Inquiry for Application for Senior Research Engineer of NAOJ Chile Observatory"

#### 9. Notes for application:

- (1) Convert each application document (from 6.(1) through 6.(7) above) to PDF files and send by e-mail for application. Do not send your application by postal mail or bring it directly to the office in person.
- (2) Make PDF files with appropriate resolution so that they won't be too large (file size: up to 10 MB).

- (3) Upon receipt of your application, you will receive a confirmation e-mail. If you do not receive any response from NAOJ within 3 working days, please contact;  
E-mail: [apply-alma-sre20181109\\_AT\\_nao.ac.jp](mailto:apply-alma-sre20181109_AT_nao.ac.jp) (replace \_AT\_ with @)

#### 10. Remarks

- (1) Your application documents will be used only for the purpose of selection for this position.
- (2) 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 <http://open-info.nao.ac.jp/danjokyodo/>