

The National Astronomical Observatory of Japan (NAOJ) invites applications for a Senior Specialist (Database Engineer) at the Subaru Telescope

Hyper Suprime-Cam (HSC) installed at the 8.2m Subaru Telescope on the summit of Mauna Kea, Hawaii, operated by NAOJ is currently the most efficient survey camera. HSC has been in operation for over 5 years and has collected a large number of images of the deep sky. The next generation spectrograph, the Prime Focus Spectrograph (PFS), will be commissioned in a few years from now, and these two instruments will be the workhorse of the Subaru Telescope for the next decades.

The data from the instruments is huge. In order to fully utilize the data for scientific explorations, an efficient database that serves properties of billions of objects is essential. NAOJ seeks an engineer who works for the design, development, and maintenance of the next-generation science database for the Subaru Telescope in collaboration with international partners.

【Vacant post】

One Senior Specialist (employee on annual salary system)

【Division】 Subaru Telescope

【Duty Station】

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

【Responsibilities】

The successful candidate's responsibilities will be:

- To design, develop and maintain a large-scale science database based on data collected at the Subaru Telescope,
- To develop efficient software to ingest science data into the database,
- To help develop and maintain a Jupyterhub-like system, where users analyze the data on NAOJ servers.

【Term of Employment】

- Employment will start reasonably soon after August 1, 2020. The term is for 3 years with a possible extension, including the probation period of 6 months. In case that the successful candidate was an NINS employee after 2013 April 1, the

term may be set so that the total accumulated terms of the employment does not exceed ten years.

【Qualification Requirements】

1. Experience in software and database development on a UNIX system
2. Experience in software development in Python
3. Good communication skills in English
4. (Preferred) Experience in database optimizations and developing web services

【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. One-twelfth of the annual salary will be paid every month. The amount of annual salary is determined between 5,000,000JPY~6,600,000JPY according to responsibilities of work, actual performance, and experience etc. It will be reviewed every fiscal year according to the results of performance reviews.
- Commuting allowance (up to 55,000 yen / month) shall be paid under the NINS 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.

* 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/research experience
- (3) A personal statement describing intentions for the applied position including related experience and achievements (in one page of A4 sized paper)
- (4) Contact information of two reference people

【Application deadline】

June 12th, 2020, 17:00 (JST)

【Submission】

Applicants are required to apply via the NAOJ job application system on the web:

<https://jobregister.nao.ac.jp/>

Please fill out the form on the web and upload the documents specified on the application form. Please use the browser like Chrome, Firefox, Edge or safari when you upload them because this application system might not work well with other browsers. The application documents should be converted to PDF.

(max 50MB each, 100MB in total, at most 10 files)

【Contact】

(Inquiry about application)

NAOJ Personnel Unit, General Affairs Group, Administration Department

TEL:0422-34-3658

E-mail:JobRegister-contact-10_AT_nao.ac.jp(replace _AT_ with @)

Subject of e-mail: "Question on Senior Specialist at the Subaru Telescope (Database Engineer)

(Inquiry about job details)

NAOJ Subaru Telescope, Dr. Masayuki Tanaka

E-mail: masayuki.tanaka_AT_nao.ac.jp(replace _AT_ with @)

Subject of e-mail: “Question on JD of Senior Specialist at the Subaru Telescope
(Database Engineer)”

【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. If 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/>
- 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.