

JOB VACANCY ANNOUNCEMENT

- Professor, National Astronomical Observatory of Japan (NAOJ)

NAOJ has a position open for professor who leads the engineering of the Subaru Telescope. We expect applications from scientists and engineers who are willing to actively take on new challenges in this field.

1. Job Title: Professor, one position

2. Division and Location: The Subaru Telescope, NAOJ, 650 North A'ohoku Place, Hilo, Hawaii 96720, USA

3. Area of Expertise: Astronomy, Physics, and Engineering.

4. Job Description:

The National Astronomical Observatory of Japan (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. The Subaru Telescope is an 8.2m optical and infrared telescope located atop Maunakea, Hawaii, which started the operation from 1999. The wide field observation capability with excellent imaging quality of the Subaru Telescope makes it one of the most scientifically productive ground-based telescopes in the world.

The performance of the telescope is still very high after 20 years of operation, but the aging of the telescope and dome is becoming a serious problem of the observatory nowadays. Proper and timely preventive maintenance, refurbishment and upgrade of the facility including the telescope, instruments and dome based on a mid- to long-term planning are thus crucial to realize sustainable and stable operation of the Subaru Telescope. In order to perform the above works in-house, improvement of the engineering capability of the observatory staff is also important. The software, computing and data archiving systems are also required to be renewed in the next few years. In addition, new instrumentation programs such as PFS and Ultimate-Subaru with GLAO to empower the telescope observation capability need to be planned and realized in parallel.

We invite applications for a professor position at the Subaru Telescope. A successful candidate for this position is expected to lead the engineering of the Subaru Telescope as Head of Engineering and to oversee the overall operations of the observatory under the leadership of the Director of Subaru Telescope. The successful candidate is expected to manage the engineering divisions at the Subaru Telescope including telescope maintenance and upgrade, instrument development and the maintenance, computer, internet, and software engineering divisions. The

successful candidate is also expected to lead the planning for the mid and long-term instrumentation, aiming to pioneer new observational parameter spaces that bring innovative and valuable outcomes in the exploration of the universe at the optical and infrared wavelengths. Fostering young scientists, engineers and technicians including PhD students is required as part of the responsibility of this position.

As required qualifications for this position, applicants are expected to have: 1) prominent backgrounds and experience in astronomical engineering fields including telescope engineering and astronomical instrumentation, 2) ability to manage a large group (~50 persons) that consists of scientists, engineers, and technicians, 3) leadership to strongly drive forward the telescope engineering and instrument development keeping up with the demands of science and technology in the world, and 4) experience and ability in education and training of young scientists, engineers or technicians including PhD students.

5. Terms of Appointment:

The successful candidate should be able to start as soon as possible after the job offer has been accepted.

The term of the contract will continue 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 6 months is included.

6. Qualifications:

- (1) Minimum Educational Requirement: Ph.D. or equivalent; and
- (2) Other Requirements: To have achieved internationally recognized research or engineering results in the field of expertise, and also have experience as a lead or key member of a large-scale astronomical project.

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) Publications list (Separate refereed and non-refereed papers. SPIE and COSPAR can be included in refereed papers.);
- (4) A 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 contact easily reachable (e-mail and phone), and the email address of your current

supervisor or line manager; and

- (7) Five or more reference letters. Note that your current supervisor or line manager cannot be your reference. Please ask your references to upload the letters directly to an NAOJ job application system shown in 9 before the deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline. Reference letters should be written by faculty/staff with tenured positions, and no more than two reference letters will be accepted from the same country.

8. Application Deadline: 2021-January-29th, Friday, 17:00 (Japan Standard Time)

9. Submission:

NAOJ Job Application System:

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 website and upload the documents specified in the application form. We recommend that the applicants obtain their applicant IDs and reference IDs from the application system in advance. Reference letters should be uploaded by persons who have written the letter for you directly, following the instruction shown on the application form. Each reference will need a reference ID and password to upload their letter to the system. The applicants will be expected to provide these to the references.

File Size:

The application documents should be converted to PDF (max 50MB each, 100MB in total, at most 10 files).

Questions:

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

E-mail: yoshida_AT_naoj.org (replace _AT_ with @)

Professor Michitoshi Yoshida, *Director of Subaru Telescope, NAOJ*,

Subject of e-mail: “Question on JD of Professor at Subaru Telescope, NAOJ”

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

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

Subject of e-mail: “Question on Professor at Subaru Telescope, NAOJ”

10. Remarks:

- The NAOJ Advisory Committee for Research and Management will make the final decision for the appointment.
- 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.

- NINS Employee Regulations (NINS, or the National Institutes of Natural Sciences, is an executive institute that manages NAOJ) shall be applied to this position.
- The successful candidate will be employed under the scheme of the annual salary system of NAOJ and will be paid monthly in 12 equal payments. Retirement Allowance shall be paid.
- 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 <https://www2.nao.ac.jp/~open-info/gender-equality/> (currently in Japanese only).
- Smoking is prohibited on the premises excluding designated outdoor smoking areas.
- 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.