

JOB VACANCY ANNOUNCEMENT

- Professor, National Astronomical Observatory of Japan (NAOJ)

NAOJ has a position open for full professor who leads the instrumentation and science operation of the Subaru Telescope in the 2020s. We expect applications from scientists and engineers who are willing to actively take on new challenges in this field.

1. Job Title: Full 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) in the effort to promote cutting-edge astronomy utilizing these advanced telescopes.

The Subaru Telescope, an 8.2m optical infrared telescope atop Maunakea in Hawaii, has been in operation since 1999. It has produced remarkable science results in various fields of astronomy including galaxy formation and evolution, cosmology and large-scale structure of the universe, exoplanet science, planetary science, and so on. Subaru Telescope will enter to the new stage “Subaru 2” from 2022. “Subaru 2” is the concept to make the Subaru Telescope more competitive by enforcing the observation power of the telescope with wide field instruments including PFS (Primary Focus Spectrograph) and ULTIMATE-Subaru (GLAO (Ground Layer Adaptive Optics) assisted near-infrared wide field imager and spectrograph), and other new cutting-edge instruments.

We invite application for a full professor position to lead the development and operation of new instruments and the enhancement of the capability of the Subaru Telescope, in order to ensure that the Subaru Telescope will be fully functional in the 2020s and continue to produce the world's most advanced scientific results beyond 2030. The successful candidate is responsible for overseeing the PFS A project, the GLAO A project, and the PI instrument (visiting instrument) teams (IRD, SCEXAO, etc.) in collaboration with the Head of Engineering and the Instrumentation Division of Subaru Telescope. The immediate most important task is the launch and operation of the PFS in close collaboration with the PFS A project. Since the main instruments of the Subaru 2 concept, HSC, IRD,

PFS, and ULTIMATE (GLAO), have all been developed and operated with international collaboration, the candidate should have much experience and ability to smoothly promote such international collaboration. In order to make the Subaru 2 concept a success, close cooperation with the Science Officer is essential. Fostering of young scientists including PhD students is also required as part of the responsibility.

In addition, we expect this professor to promote collaboration with the TMT project for future integrated operation with TMT, and technical collaboration with the Advanced Technology Center to strengthen the development of observational instruments at the observatory.

5. Terms of Appointment:

The successful candidate should be able to start working at NAOJ as soon as reasonably 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;
- (2) To have experience as a lead or key member of large-scale international astronomical projects; and
- (3) Other Requirements: To have sufficient English language proficiency to take part in scientific/technical discussions in face-to-face meetings, video conferences and teleconferences.

7. Required Application Materials: (*To be prepared in English)

- (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) Five or more reference letters. Reference letters should be written by faculty/staff with tenured positions. Reference letters from multiple countries are preferred. Please ask your references to upload their letters directly using the URL indicated in 9 before the application deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline.
- (7) Your contact easily reachable (e-mail and phone), and the email address of your current supervisor or line manager.

8. Application Deadline:

2022-07-15th, Friday, 12:00 (Japan Standard Time)

9. Submission:

- (1) Applicants are required to apply via the NAOJ Nextcloud on the web. Please access the application form at the following URL:

<https://forms.office.com/r/5NgPazGrib>

After you submit the initial form, you will receive an email showing the URLs for (a) uploading your application documents, and (b) for your reference letters.

Once you get the URL for your application documents, please upload the files corresponding to the documents (1) through (6) stated in 7. These files must be in PDF format (max 50MB each, 100MB in total, at most 10 files).

Please ask your references to upload their letters via the URL you receive for this purpose.

- (2) If you have any question related to the job description, contact;
E-mail address: satoshi_AT_aoj.org (replace _AT_ with @)
Satoshi Miyazaki, Interim Director of Subaru Telescope, NAOJ
Subject of e-mail: "Question on Professor at Subaru Telescope"
- (3) If you have any question related to the other items, contact,
E-mail address: apply-Subaru-prof20220715_AT_ao.ac.jp (replace _AT_ with @)
Subject of e-mail: "Question on Professor at the Subaru Telescope"

10. Labor Conditions:

- (1) Work Type and Work Hours:
The Discretionary Labor System for Professional Work shall be applied.
(Standard work hours: 38.75 hrs/week, from 8:00 to 16:45 (Hawaii Standard Time) with an hour intermission)
- (2) Holidays:
Saturdays and Sundays, Holidays set by NAOJ , New Year holidays (December 29th - January 3rd), Annual paid leave (20days: to be prorated for the first year), Summer holidays (3 days)
- (3) Social Insurances:
MEXT Mutual Aid Association (health insurance), Employees' Pension Insurance, Employment Insurance, Industrial Accident Compensation Insurance
- (4) Remuneration:
Salary: The amount of an annual salary shall be determined based on the school career and job experiences in accordance with the NINS regulations (NINS, or the National Institutes of

Natural Sciences, is an executive institute that manages NAOJ). The payment will be made monthly in 12 equivalents.

Allowances: Dependent allowance, residential allowance, commutation allowance, and the other allowances will be paid when the requirements based on the NINS regulations are all filled. The equivalent of the term-end allowance and the diligence allowance shall be included in the annual salary.

Salary Increase: Once a year in accordance with the performance evaluation

Retirement Allowance: Shall be paid

(5) Other:

Travel and relocation costs to NAOJ will be covered, subject to the travel regulations of NINS (details must be arranged with the administration office).

11. Remarks

- Candidates selected in the final short list may be interviewed by the selection committee either via internet or face-to-face. The expenses incurred for the interview will not be covered by NAOJ.
 - NINS Employee Regulations shall be applied to this position.
 - Smoking is prohibited on the premises excluding designated outdoor smoking areas.
 - 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.
 - If you have taken a leave(s) such as for maternity, child care, and/or family care, please indicate it in your curriculum vitae. We will consider it when assessing your performance.
- For further information about NAOJ's efforts to achieve a gender equal society, see <https://www2.nao.ac.jp/~open-info/gender-equality/en/>
- 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.

12. Name of recruiter

Inter-University Research Institute Corporation, National Institutes of Natural Sciences (NINS), National Astronomical Observatory of Japan (NAOJ)