

JOB VACANCY ANNOUNCEMENT

- Associate Professor, National Astronomical Observatory of Japan (NAOJ)

NAOJ has a position open for Associate Professor who leads research and development of adaptive optics. We expect applications from scientists and engineering scientists who are willing to actively take on new challenges in this field.

1. Job Title: Associate Professor, one position

2. Division and Location: The Advanced Technology Center (ATC), NAOJ,
Mitaka, Tokyo 181-8588, Japan

3. Area of Expertise: Adaptive Optics in the Optical and infrared astronomy

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. In order to enforce the observation power of the telescope, a GLAO (Ground Layer Adaptive Optics) is now being developed. Subaru Telescope will enter the new stage “Subaru 2” from 2022.

The NAOJ Advanced Technology Center (ATC), the research center for advanced technology development to support these important astronomical programs, has been producing successful results in the development of various astronomical instruments. The developments for adaptive optics (AO) in NAOJ have been active on site in Hawaii so far, including the Assembly, Integration and Verification (AIV) and Commissioning and Science Verification (CSV). In Subaru 2, NAOJ has plans to strengthen the NAOJ’s AO activities at the ATC in collaboration with Subaru Telescope and TMT, to contribute to future ground based and/or space based development projects (e.g. Multi-object AO), and to enhance the optical and infrared development capabilities of NAOJ.

We invite applications for an associate professor position at the ATC to lead the activities for adaptive optics in NAOJ. A successful candidate for this position is expected to: 1) develop a core group for adaptive optics at the ATC; 2) participate in the Subaru GLAO Project; 3) plan the next generation AO; and 4) promote research activities that make impact on relevant science fields as well. Another important responsibility of this position is to carry a role of “a point of contact”

with the science community not only for astronomy but also for surrounding fields, such as engineering of optics, mechanics, control, and electronics. Fostering of young scientists, engineers and technicians including PhD's students is also required as part of the responsibility.

As required qualifications for this position, applicants are expected to have a wide range of experience and skills in the field of adaptive optics as well as of optical and infrared astronomy and instrumentation, and have leadership or system engineering ability to strongly promote astronomical research and development keeping up with the demands of the times.

5. Terms of Appointment:

The selected candidate should be able to start 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.

Probation period: 6 months

6. Qualifications:

(1) Minimum Educational Requirements: Ph.D. or equivalent; and

(2) Other Requirement: To have achieved internationally recognized research results in the field of expertise and also have experience as a lead or key member of development team for an adaptive optics 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 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 address (e-mail and phone) for prompt contact and the email address of your current supervisor or line manager, and

(7) Three 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.(1) before the application deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline.

8. Application Deadline: 2022-01-21, 12:00 (noon) (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/1DKireiV0f>

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: y.uzawa_AT_nao.ac.jp (replace _AT_ with @)

Yoshinori Uzawa, Director of Advanced Technology Center, NAOJ

Subject of e-mail: "Question on Associate Professor in Adoptive Optics at the NAOJ ATC"

(3) If you have any question related to the other items, contact,

E-mail address: apply-ATC-assocprof20220121_AT_nao.ac.jp (replace _AT_ with @)

Subject of e-mail: "Question on Associate Professor in Adoptive Optics at the NAOJ ATC"

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 8:30 to 17:15 with an hour intermission)

(2) Holidays:

Saturdays and Sundays, National Holidays, 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

11. Remarks:

- Candidates selected in the final shortlist may be interviewed by the selection committee either via the internet or face-to-face. The expense 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)