

JOB VACANCY ANNOUNCEMENT

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

NAOJ invites applications for a full professor position as follows:

1. Job Title: Professor, one position
2. Division and Location: Advanced Technology Center, Mitaka, Tokyo
3. Area of Expertise: Space-Astronomy Instrumentations, System Design, Electronics
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 the Subaru Telescope, the ALMA, and the TMT (Thirty- Meter Telescope) as well as in the development of space-based instruments such as the Hinode solar observatory, in the effort to promote cutting-edge astronomy utilizing these advanced telescopes. The NAOJ Advanced Technology Center (ATC), the research center for advanced technology development to support these important astronomical missions, has been producing successful results in the development of various astronomical instruments.

We invite applications for a full professor position at ATC. A successful candidate for this position will belong to the space instrument team of the advanced mission-instrumentation group in ATC, and will serve as the team leader. The successful candidate is expected to lead research and development at ATC for the advancement of space astronomy and astrophysics, and to support system design of spaceborne instruments including the analog and digital electronics, in collaboration with not only scientists, engineers, and technologists within ATC but also those working for astronomical projects at NAOJ. Fostering young scientists, engineers, and technologists, including PhD students, is required as part of the responsibilities of this position. Also, the successful candidate is expected to support on-going space-mission studies in which the NAOJ is participating, such as JAXA's Solar-C, JASMINE (Japan Astrometry Satellite Mission for INfrared Exploration) and MMX (Martian Moons eXploration) missions.

As prerequisites for this position, applicants are expected to have: 1) solid and proven background and professional experiences in space astronomy and astrophysics researches; 2) leadership to drive forward research and development keeping pace with the demands of science and technology in the world, and to foster scientists and engineers utilizing those research and development opportunities. 3) ability to lead spaceborne instrument designs from concept study to preliminary design and to guide industries in critical designs so that they can start manufacturing flight models, where the instruments include low-noise analog front-end electronics of highly-sensitive astronomical sensors, power analog electronics which astronomical instruments requires, and digital electronics consisting of FPGA and CPU.

5. Terms of Appointment:

The successful candidate should be able to start as soon as reasonably possible after the job offer has been accepted. The term of contract is 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 six months is included.

6. Minimum Educational Requirement: Ph.D. or equivalent in astronomy or related fields

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) A list of referred papers and a list of patents (if any). SPIE and COSPAR proceedings 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,
 - (6) Your address (e-mail and phone) for prompt contact and the email address of your current supervisor or line manager,
 - (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 the letters directly to an NAOJ's application system shown in 9 before the deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline.
8. Application Deadline: 2022-03-22, 12:00 (noon) (Japan Standard Time)

9. Submission:

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/Mmi35tD7vu>

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(a) 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(b) you receive for this purpose.

For inquiries, please contact with a subject; "Question on Professor of ATC"

E-mail: y.uzawa_AT_ao.ac.jp (replace _AT_ with @)

Professor Uzawa, Yoshinori, Director of ATC, NAOJ

If you have any question related to the application process or other items,

please contact with a subject; "Question on Professor of ATC"

E-mail: apply-ATC-prof20220322_AT_ao.ac.jp (replace _AT_ with @)

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 short list 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.
 - If the selection committee deems that there is no qualified candidate for this position, it is possible no one will be selected.
 - 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 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)