

## **JOB VACANCY ANNOUNCEMENT**

### **-Assistant Professor, National Astronomical Observatory of Japan (NAOJ) -**

NAOJ invites applications for an assistant professor position as follows:

1. Job Title: Assistant Professor, one position
2. Division and Location: SOLAR-C Project, Mitaka, Tokyo
3. Area of Expertise: Space instrumentations, Solar Physics and/or related fields
4. Job Description:

The National Astronomical Observatory of Japan (NAOJ) has been playing a key role in the science satellite missions of JAXA (Japan Aerospace Exploration Agency). The SOLAR-C Project of NAOJ participates in and contributes to the Solar-C (EUVST: the EUV High-Throughput Spectroscopic Telescope) mission of JAXA/ISAS (Institute of Space and Astronautical Science of JAXA), aiming to explore key propositions in space science: how the plasma universe is created and evolves and how the Sun influences the Earth, other interplanetary objects, and the heliosphere. The Solar-C (EUVST) can trace and grasp dynamic solar plasma phenomena in the chromosphere through the corona, thanks to advanced capabilities of seamless entire temperature coverage and about ten times higher spatial and temporal resolution than ever. It enables us to study the most fundamental question in solar physics: how does the interplay of solar plasma and magnetic fields drive solar activity? The NAOJ SOLAR-C Project will contribute to the design and development of overall mission instruments, particularly the telescope of Solar-C (EUVST), under the leadership and management of JAXA in collaboration with several US and European institutes which plan to provide the most critical components of the spectrograph for Solar-C (EUVST). The NAOJ SOLAR-C Project is also responsible for providing high-quality spectroscopic imaging data from Solar-C (EUVST) for the science community under the leadership of JAXA/ISAS.

JAXA/ISAS has selected Solar-C (EUVST) as the unique candidate for the 4<sup>th</sup> medium-class science satellite mission. The target launch timing is in the solar maximum of the mid-2020s. We invite applications for an assistant professor (AP) position at the SOLAR-C Project of NAOJ. AP is expected to involve the relevant scientific communities and promote the scientific activities conducted to meet the scientific goals of the SOLAR-C Project in cooperation with scientists, engineers, and technologists. As one of the significant tasks, AP is expected to contribute to the performance evaluation of the telescope and related electronic equipment developed by manufacturers in the SOLAR-C instrument developments. As part of the performance evaluation, the AP plays significant roles in the progress of scheduled project activities in foreign countries and contributes to functional testing including instrument calibration. While demonstrating outstanding performance in own research activities, fostering young scientists, including students in the Ph.D. program, is also required as part of the responsibility.

5. Terms of Appointment:

The 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.

A review for the continuation of employment will occur before the beginning of the sixth year. The review may result in the candidate being requested to transfer to another position within NAOJ.

Probation period: 6 months

## 6. Qualifications

- (1) Minimum Educational Requirement: Ph.D. or equivalent; and
- (2) Other Requirements: To have sufficient English language proficiency to conduct scientific/technical discussions in face-to-face meetings, video conferences, and teleconferences. Experiences of the data analysis or instrument development for experimental/observational projects are preferred.

## 7. Required Application Materials: (\*To be prepared in English. Any other languages 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 address (e-mail and phone) for prompt contact and the e-mail 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 arrive before the application deadline.

## 8. Application Deadline: 2022-07-08, 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/svGxc8DbWT>

After you submit the initial form, you will receive an e-mail 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 ten files). Please ask your references to upload their letters via the URL you receive for this purpose.

- (2) If you have any questions related to the job description, contact

E-mail: [hirohisa.hara\\_AT\\_ao.ac.jp](mailto:hirohisa.hara_AT_ao.ac.jp) (replace \_AT\_ with @)

Dr. Hara, Hirohisa,

Director of the SOLAR-C Project, NAOJ

Subject of e-mail: "Question on JD of Assistant Professor of NAOJ SOLAR-C Project"

- (3) If you have any questions related to the job application system or other items, contact,  
E-mail address: job04-assistantprof\_AT\_nao.ac.jp (replace \_AT\_ with @)  
Subject of e-mail: “Question on Assistant Professor of NAOJ SOLAR-C Project”

#### 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.
- 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, please 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.

- **This position is planned to apply LEADER for FY 2022. The selection process will be consistently done with the process of the negotiation among the parties for Leading Initiative for Excellent Young Researcher (LEADER) in FY 2022. If the applicant do not have the eligibility of Excellent Young Researcher (EYRs) candidate and is younger than 40 years old on April 1 2023, he or she is expected to apply also LEADER for FY 2022 after the application is opened in the following HP address:**  
[https://www.jsps.go.jp/j-le/koubo\\_kenkyu.html](https://www.jsps.go.jp/j-le/koubo_kenkyu.html)

12. Name of recruiter:

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