

## **JOB VACANCY ANNOUNCEMENT**

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

NAOJ invites applications from researchers for an assistant professor position as follows:

1. Job Title: Assistant Professor, one position
2. Division and Location: Gravitational Wave Science Project (GWSP), Kamioka Branch
3. Area of Expertise: Astronomy or Physics
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 as well as in the development of space-based instruments, in the effort to promote cutting-edge astronomy utilizing these advanced telescopes. The NAOJ Gravitational Wave Science Project (GWSP) is a project office to develop gravitational wave astronomy and to contribute to the construction and operation of KAGRA, which is a 3km-scale cryogenic gravitational wave telescope constructed in Kamioka underground, Gifu, Japan, in collaboration with the Institute for Cosmic Ray Research in the University of Tokyo and High Energy Accelerator Research Organization. In addition to KAGRA, the NAOJ GWSP has another important role to manage TAMA300 (interferometric gravitational wave test facility with 300m arm-length in NAOJ Mitaka campus), aiming to develop new technologies.

We invite applications for an assistant professor position in the GWSP. A successful candidate for this position is expected to:

- 1) lead system integration, noise-hunting and stable operation with high sensitivity of the main interferometer of KAGRA;
- 2) lead upgrades of KAGRA including introductions of frequency dependent squeezing (around FY2024) and of larger main mirrors (after FY2027) into KAGRA; and
- 3) develop new advanced interferometer technologies by using TAMA300 for the upgrades of KAGRA and the plan of next generation gravitational wave telescopes.

Also we require the successful candidate to contribute fostering of young scientists including supervising students in the PhD's program as part of the responsibility.

As prerequisites for this position, applicants are expected to have a wide range of experience and skills in the field of astronomy or physics, and to have leadership for experimental projects.

#### 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 as the assistant professor will occur in the fifth year. The review may result in the candidate being requested to transfer to another position within NAOJ.

The Probation period is 6 months.

#### 6. Qualifications:

- (1) Minimum Educational Requirement: Ph.D. or equivalent
- (2) Other Requirements: Fluent English communication and Experience of hardware development

## 7. Required Application Materials in English

- (1) Cover letter;
- (2) Curriculum vitae;
- (3) Publications list (Separate refereed and non-refereed papers);
- (4) Summary of your past research activities including international collaborations;
- (5) Your commitment and plan to fulfill the duties (including your research plans 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. Note that your current supervisor or line manager cannot be your reference. Please ask your references to send their letters as an e-mail attachment to the submission address shown in 9. (2). before the application deadline. Applicants are responsible for ensuring that the letters arrive before the application deadline. (Reference letters should be written by faculty/staff with tenured positions, and no more than one reference letter will be accepted from each country.)

## 8. Application Deadline: 2021-05-07, noon (Japan Standard Time)

### 9. Submission:

- (1) Applicants are required to upload your application documents through (1) to (6) stated in 7 to the following URL: <https://y.nao.ac.jp/s/X25QxWSiNDBscYZ>

A predefined password is required when applicants upload your application documents. To get the password, contact;

E-mail address: JobRegister-contact-10\_AT\_nao.ac.jp (replace \_AT\_ with @)

Subject of e-mail: "Password of Assistant Professor of NAOJ GWSP"

- (2) References are required to send the letter by e-mail to;

E-mail address: JobRegister-contact-10\_AT\_nao.ac.jp (replace \_AT\_ with @)

Subject of e-mail: "Reference letter of Assistant Professor of NAOJ GWSP"

- (3) If you have any question related to the job description, contact;

E-mail: takayuki.tomaru\_AT\_nao.ac.jp (replace \_AT\_ with @)

Professor Tomaru, Takayuki,

*Director of Gravitational Wave Science Project (GWSP), NAOJ,*

Subject of e-mail: "Question on JD of Assistant Professor of NAOJ GWSP"

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

E-mail address: JobRegister-contact-10\_AT\_nao.ac.jp (replace \_AT\_ with @)

Subject of e-mail: "Question on Assistant Professor of NAOJ GWSP"

### 10. Notes for application:

- The application documents should be converted to PDF (max 50MB each, 100MB in total, at most 10 files).
- The file name of application documents should be stated applicants name, applied project and position.

- 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.

11. Remarks:

- The work location may be Mitaka depending on the situation of the project.
- The NAOJ Advisory Committee for Research and Management will make the final decision for the appointment.
- 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/danjokyodo/index.html>
- 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.
- 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.