

## **JOB VACANCY ANNOUNCEMENT**

### **- Associate Professor (Senior Lecturer) at Gravitational Wave Science Project (GWSP), National Astronomical Observatory of Japan (NAOJ) -**

1. Job Title/Position: Associate Professor (Senior Lecturer), one position
2. (1) Division: Gravitational Wave Science Project (GWSP)  
(2) Work Location: (a) NAOJ Mitaka campus, Tokyo (b) NAOJ Kamioka branch, Gifu
3. Area of Expertise: Astronomy or Physics

#### 4. Job Description:

The National Astronomical Observatory of Japan (NAOJ) has been playing a key role at the forefront of global astronomical research, as demonstrated in the construction and operation of large-scale astronomical facilities and the development of space-based instruments, and strives to promote cutting-edge astronomy utilizing these advanced telescopes. The Gravitational Wave Science Project (GWSP) of NAOJ engages in the development of gravitational wave astronomy and contributes to the construction and operation of KAGRA, a 3km-scale cryogenic gravitational wave telescope constructed underground the Kamioka mine in Gifu, Japan, in collaboration with the Institute for Cosmic Ray Research of the University of Tokyo and the High Energy Accelerator Research Organization. In addition to KAGRA, the GWSP has another vital role in developing cutting-edge technologies for next-generation gravitational wave telescopes.

We invite applications for an associate professor (senior lecturer) position at the GWSP. A successful candidate for this position is expected to:

- 1) Be responsible for maintaining, operating, and upgrading KAGRA's vibration isolation system (VIS) as the leader of the KAGRA's VIS team and supervise engineers, young researchers, and students;
- 2) Play a key role in the R&D of VIS for future 3rd generation gravitational wave telescopes (such as the Einstein Telescope in Europe and the Cosmic Explorer in the U.S.); and
- 3) Train young researchers/engineers to pass on VIS technologies to the next generation.

The selected associate professor (senior lecturer) is also expected to contribute to graduate education, activities in relevant communities, and active collaboration with overseas gravitational wave projects as part of the responsibility of this position. Candidates are sought who have a wide range of experience and expertise in astronomy or physics, demonstrate leadership, and possess good English communication skills.

#### 5. Terms of Appointment:

The successful candidate should be able to start as soon as reasonably possible after accepting the job offer. The term of employment will continue up to the end of the Japanese academic year, in which the post-holder reaches NAOJ's mandatory retirement age of 65. The hired candidate will undergo a six-month probationary period upon commencement of employment.

6. Qualification Requirements:

- (1) Minimum educational requirement: Ph.D. or equivalent
- (2) Other requirements: Fluency in English communication and experience in experimental research

7. Required Application Materials (\*To be prepared 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) A statement of your commitment to the position, including your plans in fulfilling the duties (describe your research plans as needed);
- (6) Your contact address (e-mail and phone) 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 to 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: 2023-10-31, 12:00 (noon) (Japan Standard Time)

9. Application Instructions:

9.1. How to Submit an Application:

Applicants are required to apply via the NAOJ Nextcloud on the web.

- (1) Please access the following URL for registration:

<https://forms.office.com/r/mxHphLt0zU>

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

- (3) Please ask your references to upload their letters via the URL shown in (2)(b).

- (4) Please upload the application documents (from 7. (1) through (6) above) via the URL (2)(a). These files must be in PDF format (max 50 MB each, 100 MB in total, at most 10 files).

9.2. Contacts:

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

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

Attention to: Professor Tomaru, Takayuki,

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

Subject: "Question on JD of Associate Professor (Senior Lecturer) of NAOJ GWSP"

- (2) If you have any questions related to other items, contact;

E-mail: job03-seniorlecturer\_AT\_nao.ac.jp (replace \_AT\_ with @)

Subject: "Question on Associate Professor (Senior Lecturer) of NAOJ GWSP"

#### 10. Notes on Application:

- The application documents' file name should state the applicant's name, affiliated project, and position.
- Candidates selected in the final shortlist may be interviewed by the selection committee either in person or online. NAOJ will not cover any expenses associated with the interview.

#### 11. Working 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, Summer holidays, Bereavement leave, etc.

(3) Social Insurance: MEXT Mutual Aid Association (health insurance), Employees' Pension Insurance, Employment Insurance, Industrial Accident Compensation Insurance

#### (4) Remuneration:

- Salary: Annual salary shall be determined based on professional knowledge, skills, required education, and job experiences as per the NINS regulations (NINS, or the National Institutes of Natural Sciences, is an upper-level organization that manages NAOJ). Payments will be made monthly in 12 equal installments.
- Allowances: Dependent allowance, residential allowance, commutation allowance, and other allowances will be paid to employees who meet the conditions outlined in the NINS regulations. An amount equivalent to the year-end allowance and diligence allowance will be included in the annual salary.
- Salary Increment: Once a year in accordance with the performance review
- Retirement Allowance: Provided
- Travel and relocation: Eligible employees will be provided with a relocation travel package to NAOJ, subject to the travel regulations of NINS (details must be arranged with the administration office).

#### 12. Miscellaneous:

- The work location may be changed to the NAOJ Kamioka branch depending on the situation of the project.
- The NAOJ Advisory Committee for Research and Management will make the final decision for the appointment.
- This position is subject to the NINS Employee Regulations. The annual salary schedule indicated in Table (2) of the Research-Education Employee Base Annual Salary shall be applied to this position.
- Policy for Equal Employment Opportunity: Abiding by the Equal Employment Opportunity Act for Men and Women, NAOJ is committed to realizing 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/gender-equality/en/>
- If you have taken a leave(s) for maternity, childcare, and family care, please indicate it in your curriculum

vita. We will take it into account 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 those submitted by the successful candidate.

13. Recruiting Institution:

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