



Shoichi OGIO

Director

Institute for Cosmic Ray Research

The University of Tokyo

Job No.ICRR2026-03

Call for Project Assistant Professor at Institute for Cosmic Ray Research, The University of Tokyo

The Institute for Cosmic Ray Research (ICRR), The University of Tokyo, Japan, invites applications for a Project Assistant Professor position for the KAGRA project.

1. **Position:** Project Assistant Professor, one person.

2. **Job description:**

The KAGRA Observatory at the Institute for Cosmic Ray Research (ICRR), University of Tokyo, is advancing technology development to significantly improve the sensitivity of the gravitational wave detector KAGRA in the high-frequency band, as part of the KAKENHI Grant-in-Aid for Scientific Research (S) project "Pioneering High-Frequency Gravitational Wave Astronomy for Elucidating the Physics of High-Density Extreme Matter" (Principal Investigator: Takaaki Kajita).

KAGRA is a laser interferometric gravitational wave detector built underground with a baseline length of 3 km. Its distinguishing features include the reduction of thermal noise by cooling its four main mirrors to cryogenic temperatures, as well as mitigation of the thermal lensing problem associated with high-power laser operation. The KAGRA Observatory is aiming for the first direct detection of gravitational waves with KAGRA by alternately performing sensitivity improvement campaigns and observation runs, while advancing gravitational wave astronomy in collaboration with gravitational wave observatories worldwide, including LIGO and Virgo.

For the sensitivity improvement in the high-frequency band targeted by this research project, it is essential to reduce the quantum noise of the optical phase (shot noise), which constitutes the dominant noise source in this regime. This call for applications seeks a specially appointed assistant professor to engage in the research and development of a high-performance squeezed vacuum field generation system, one of the quantum noise reduction technologies central to this effort.

※Scope of change: The faculty member may be reassigned, concurrently assigned, or transferred to another position. (In principle, such an order will not be issued against his/her will. For details, please refer to Article 4 of the Regulations Concerning the Employment of University of Tokyo Faculty Members.)

3. **Place of work:** ICRR, The University of Tokyo (Kashiwa, Chiba, Japan)

※Scope of change: The University will assign the faculty member to work at a designated location. (In principle, the faculty member will not be reassigned or transferred against his/her will. For details, please refer to Article 4 of the Regulations Concerning the Employment of University of Tokyo Faculty Members.)

4. **Application Prerequisites:** Applicants should have or be about to obtain a Ph.D. in a related field by the time of employment.

5. **Start of term:** As soon as possible after October 1st, 2026

6. **Compensation:** Salary will be commensurate with experience as outlined for the position of project assistant professor by the University Tokyo's Guidelines for Fixed-Term Faculty Employment (The 1st of April, 2004 rev.). Automatically enrolled in the insurance from the Mutual Aid Association of MEXT and employment insurance.

7. **Term:** The employment contract will be renewed yearly, but at maximum by the end of fiscal year 2030. Please note that reaching the end of the term does not preclude the possibility of reapplying if a similar position is publicly advertised by Institute for Cosmic Ray Research at that time.

8. **Working Hours:** Discretionary labor system, based on 7 hours, 45 minutes per day, or 38 hours 45 minutes per week.

9. **Holidays:** Saturdays, Sundays, Holidays, and the year-end and New Year holidays (the 29th of December to the 3rd of January)

10. **Selection process:** Applicants will be screened on the basis of their application materials, and only short-listed candidates will be invited for interviews. We will inform details of the interview separately.

11. **Application:** Please submit the following documents in either English or Japanese as PDF files (A4 size paper, 29.5cm x 21cm or similar) attached to an e-mail. Applicants should arrange for two letters of reference to be sent to the e-mail address below. Once the application documents are received, we will send a confirmation e-mail to the applicant. Applicants should verify they receive this confirmation after submission.

1. Curriculum vitae,
2. Summary of past research activities (up to 3 pages),
3. Publication list including a list of oral presentations at conferences and workshops. Please include copies of the applicant's most important publications (up to three papers) and clearly mark these in the publication list,
4. Possible start date,
5. Research plan (up to 3 pages), and
6. Declaration regarding past criminal penalties, administrative actions, and disciplinary actions due to sexual harassment and/or sexual violence etc. against students

※For 6, please download the form from the following URL

[https://proself.icrr.u-](https://proself.icrr.u-tokyo.ac.jp/public/HvC0AA1Pw0RAQ5sBKYGp0MKkCGIya7_QHnpOqIP9F_iq)

[tokyo.ac.jp/public/HvC0AA1Pw0RAQ5sBKYGp0MKkCGIya7_QHnpOqIP9F_iq](https://proself.icrr.u-tokyo.ac.jp/public/HvC0AA1Pw0RAQ5sBKYGp0MKkCGIya7_QHnpOqIP9F_iq)

7. Letters of reference or recommendation (2 letters).

12. **Application Deadline:** Application materials must be received by 12:00 noon JST on July 27th, 2026.

13. **Name of recruiter:** The University of Tokyo

14. **Other:**

- Applications from applicants of all genders, nationalities, and levels of research experience are welcome.
- The University of Tokyo encourages applications from female scientists in accordance with "The University of Tokyo's Declaration on Gender Equality".
- Probation period: The first 14 days of employment
- University employee activities outside University duties should be limited to the extent that they do not interfere with the sharing of research technology at the University. In accordance with the Foreign Exchange and Foreign Trade Act, the sharing of research-related technology may be restricted if a successful applicant of the University maintains or intends to maintain concurrent employment with a foreign organization or receives a large income from a foreign governmental body or other sources.
- Second-hand smoke free environment: Smoking is prohibited throughout most of the campus of the University of Tokyo. However, there are designated smoking areas outside.

Interested applicants should send applications to the following address by the due date: **application_at_icrr.u-tokyo.ac.jp** (please replace _at_ with @) with the subject line "ICRR2026-03".

For inquiries, please contact Professor Yoichi Aso at Institute for Cosmic Ray Research, University of Tokyo by email:

E-mail: aso_at_icrr.u-tokyo.ac.jp (please replace _at_ with @)