

Call for Project Researcher
in Theoretical Quantum Computation and Quantum Information
Hayata Yamasaki Group

1. Job title

Project researcher.

Several positions are available.

2. Contract period

From as soon as possible after June 1, 2026, through March 31, 2027.

(See below for renewal and the maximum possible period of employment.)

3. Renewal of contract

The contract is renewable on a fiscal year basis (from April 1 to March 31). Renewals will be made up to a maximum of 4. The total period of employment is until March 31, 2031, at the longest.

Renewal will be determined by considering the progress of the assigned work, job performance, work record, attitude, health conditions, budget status, and the amount of work at the end of the term.

4. Probation Period

14 days from the date of employment

5. Location

Hongo campus, The University of Tokyo

7-3-1 Hongo, Bunkyo-ku, Tokyo, Japan

Nearest subway stations and approximate walking time

- Chiyoda Line: Nezu Station (7 min)
- Namboku Line: Todai-mae Station (10 min)
- Marunouchi Line: Hongo-sanchome Station (15 min)

Scope of changes: The work location may be changed within the Graduate School of Information Science and Technology, subject to business needs.

6. Affiliation

Hayata Yamasaki Group, Department of Computer Science, Graduate School of Information Science and Technology, The University of Tokyo

The affiliation may change due to operational requirements.

7. Role

Our group conducts theoretical research across a broad range of fields in quantum information and quantum computation, including quantum algorithms, quantum error correction, and quantum resources.

For more details, please see our website:

<https://www.hayatayamasaki.com/>

Successful candidates are expected to contribute to at least one of the above areas through the following activities:

- Conduct independent research on the group's projects.
- Work closely with other group members and contribute to collaborative research within the group.
- In addition to the above, collaborate with international and domestic researchers, and provide positive feedback to the group.
- Lead and contribute to the preparation of manuscripts for submission to peer-reviewed journals and conference proceedings.
- Present research results at international conferences, workshops, and seminars.
- Supervise and mentor students and junior researchers in the group, and engage in activities related to developing the next generation of researchers as appropriate (by default, there are no course-teaching or teaching-assistant duties).
- Carry out the activities necessary for the group's operation.

Scope of changes: Reassignment, dual appointment, and secondment may be ordered.

8. Working Hours

A discretionary work system for professional work applies, and working hours will be deemed as 7 hours and 45 minutes per day.

9. Days off

Saturdays, Sundays, Holidays, and the year-end and New Year holidays (December 29 to January 3)

10. Leave

Annual Paid Leave, Special Leave, etc.

11. Salary

- The position is covered by the annual salary system under the University of Tokyo Regulations, and the monthly salary is within the range of JPY 400,000 to 1,000,000, including performance and achievement allowances. The salary will be determined based on your qualifications, capacity, and experience. Note that the salary range is highly competitive by Japanese postdoctoral standards (<https://www.jsps.go.jp/english/e-fellow/e-ippan/index.html>) and is intended to support a comfortable standard of living in Japan. For a rough comparison across countries, dividing salaries by a price index, such as the price of a Big Mac (https://en.wikipedia.org/wiki/Big_Mac_Index), can be a useful normalization; in Japan, a Big Mac currently costs about JPY 480.
- A commuting allowance of up to JPY 55,000 is provided.
- No retirement benefits and bonuses.
- Salary will be paid, in principle, on the 17th of each month.

12. Insurance

Eligible for the insurance from the Mutual Aid Association of MEXT (Ministry of Education, Culture, Sports, Science and Technology) and Employment Insurance.

13. Accident Compensation

Work-related accidents and commuting accidents are covered by the Industrial Accident Compensation Insurance Act and the University of Tokyo's Teacher and Staff Act Non-Compliance Accident Compensation Regulations.

14. Qualification requirements and desired experiences

Requirements

- Hold a PhD (or be expected to acquire one by the time of arrival) in computer science, physics, mathematics, engineering, or a closely related discipline relevant to quantum information and quantum computation.
- Demonstrated experience in theoretical research in at least one of the following areas: quantum algorithms; complexity theory; quantum machine learning; fault-tolerant quantum computation; quantum error correction; quantum information theory; quantum cryptography; entanglement; quantum resource theory; mathematics related to quantum information; or closely related fields, with a publication record commensurate with career stage.
- Proficient in written and spoken English (Japanese proficiency is not required).
- Ability to work on both rigorous theoretical analysis and numerical simulations, as needed.
- Ability to work effectively in an interdisciplinary team and adapt to a rapidly evolving research environment.

Desired experiences

- Track record of publications in high-impact journals and top-tier conference proceedings.
- Proficiency in scientific programming.
- Experience in interdisciplinary collaborative research.
- Experience in student supervision and teaching.

15. Documents to be submitted

1. The University of Tokyo Standard Resume

International applicants: Please download and complete the English form from the URL below:

<https://www.u-tokyo.ac.jp/en/about/jobs.html>

Japanese applicants: Please download and complete the Japanese form from the URL below:

<https://www.u-tokyo.ac.jp/ja/about/jobs/r01.html>

2. Curriculum Vitae (English)

3. Research statement (English, within three pages)

Please include the following:

- Description of your career background and motivation for your application
- Summary of your research achievements
- Future research plan (objective, content, methodology, and impact). Please cite at least one relevant paper from our group (<https://www.hayatayamasaki.com/publications>) and explain how your plan relates to it.
- Your experience and motivation regarding student supervision and interdisciplinary collaboration
- Your long-term career plan

4. Declaration regarding past criminal penalties, administrative actions, and disciplinary actions due to sexual harassment and/or sexual violence etc. against students (English or Japanese)

Please download and complete the form from the URL below:

<https://drive.google.com/drive/folders/1mRhJk24Gz6oBhS8gwBPgAFW7j60NFjtu>

5. A reference letter (English or Japanese)

The reference letter must be submitted directly by the referee.

16. How to Apply (Electronic Submission)

Applicant submission (application documents):

<https://forms.gle/hybPL4XRo86VQK1C8>

The applicant needs to log in with their Google account when submitting the application documents.

Referee submission (reference letter):

<https://forms.gle/voLK3VwUhvvn3jQs8>

The referee needs to log in with their Google account when submitting the reference letter.

Note: The reference letter must be submitted directly by the referee using the link above.

You will receive an automatic confirmation email upon submission. If you do not receive the confirmation email within a few minutes, please check your spam/junk folder. If the issue persists, please contact the person in charge shown below.

17. Application Deadline

Applications must be received by March 31, 2026 (Anywhere on Earth). After a document screening, shortlisted candidates will be contacted and invited to an interview.

18. Contact

Hayata Yamasaki:

hayata.yamasaki@gmail.com

When contacting us, please also CC the administrative staff member, Saki Fujiwara:

sakifujiwara@g.ecc.u-tokyo.ac.jp

19. Recruiter Name

The University of Tokyo

20. The measures against second-hand smoking:

Smoking is not allowed on campus grounds (only permitted in designated outdoor smoking areas).

21. Notice

If you are personally in contract with foreign governmental bodies, corporations or universities, or you are in receipt of a large benefit (financial or any other form) from foreign governmental bodies during the period of your employment, the provisions of the Foreign Exchange and Foreign Trade Act (FEFTA) may prohibit or restrict the sharing of technology that are designated as controlled technology possibly making it difficult for you to fulfill your duties as an academic or administrative staff of the university as a result. Therefore, in such cases, it is necessary to keep such contracts/benefits within the scope where it does not hinder the sharing of technologies necessary for your duties by the university.

22. Others

Personal information is handled carefully according to the Privacy Policy of The University of Tokyo and will be used only for this recruitment purpose. Submitted documents will not be returned.

For details on working conditions, please refer to the University of Tokyo's Rules and Regulations for fixed-term project academic and administrative staff.

https://www.u-tokyo.ac.jp/en/about/rules_main.html

We welcome proactive applications from women in accordance with "The University of Tokyo, Declaration for Promoting Gender Equality".