

**Faculty Position in the Center for Quantum Information and Quantum Biology,
Osaka University**

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| Outline | Center for Quantum Information and Quantum Biology (QIQB) at Osaka University has been working on the research and development project “Quantum Cyberspace with Networked Quantum Computer (QCNQC)” (Project Manager: Prof. Takashi Yamamoto, QIQB) which is promoted under the Moonshot Research and Development Program by the Cabinet Office in Japan, i.e., the Moonshot Goal 6: Realization of a fault-tolerant universal quantum computer that will revolutionize economy, industry, and security by 2050. To achieve this Moonshot Goal 6, the QCNQC project aims to develop elemental technologies for networking quantum computer hardware build with photons, atoms, semiconductors, etc. and then to construct networked quantum computers on a larger scale by connecting small and medium quantum computers. QIQB is seeking a person who can work on the research and development subject included in the QCNQC project, “Atom-photon multiple channel quantum networking” (Project Leader: Prof. Takashi Yamamoto, QIQB) and advance this project smoothly and powerfully. |
| 1. Position | Specially Appointed Associate Professor (Full-Time) |
| 2. Number of Positions | 1 (One) |
| 3. Affiliation | Center for Quantum Information and Quantum Biology |
| 4. Work Location | Toyonaka Campus (1-2 Machikaneyama-cho, Toyonaka-City, Osaka, Japan) |
| 5. Specialized Field | Quantum Physics and Quantum Information |
| 6. Responsibilities | The employee is expected to work on the following research and development subjects being engaged in the project of “Atom-photon multiple channel quantum networking” promoted by Prof. Takashi Yamamoto: (1) Development of elemental technologies for constructing networked quantum computers with atom arrays (2) Experiments on quantum operations with atom arrays (3) Experiments in quantum information and quantum optics related to the above two subjects (1) and (2) |
| 7. Qualifications | [Essential] Applicants must have: (1) The will to work full-time business execution as above with responsibility (2) Cooperativeness for organizational business execution and communication ability to negotiate with other organizations (3) Motivation to improve their own specialties (4) Excellent research achievements in the related fields |
| | [Preferred] (1) A doctoral degree (No matter what your specialty) (2) Ability to speak Japanese and English at a level that does not interfere with work execution. (3) Work experience on project management in education and research institution or corporate |
| 8. Starting Date | August 1, 2022 (or as soon as possible thereafter) |
| 9. Term of Employment | From the starting date to March 31st, 2023 *Following completion of the term, the contract may be extended subject to evaluation (the extension limit is 10 years from the starting date). |
| 10. Probationary Period | 6 months |

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| 11. Employment Form | <p>Based on “38. Regulations Pertaining to Working Hours, Holidays and Leave for National University Corporation Osaka University Limited Term Staff” https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html *The Discretionary Labor System, Special Work Type will be applied (deemed working hours: 8 hours a day)</p> |
| 12. Salary and Benefits | <p>Based on “48. Salary Regulations for National University Corporation Osaka University Limited Term Staff (Specially Appointed Staff, etc.) Subject to Annual Salary System” https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html Remuneration: 7,537,200 JPY ~ per annum. (Monthly payments of one-twelfth of annual salary) *It will be decided according to the responsibilities assigned based on the applicant’s qualifications. Commuting allowance *Bonuses and allowances for housing, dependency, and retirement are included in the above-mentioned annual salary and will not be paid separately.</p> |
| 13. Insurance | <p>Medical insurance and employee’s pension insurance of the Federation of National Public Service Personnel Mutual Aid Associations, Employment Insurance and Industrial Accident Compensation Insurance</p> |
| 14. Application Documents | <p>Applications must be written in English or Japanese and include the following</p> <ol style="list-style-type: none"> 1. A Curriculum Vitae *Please use the university form for educational/research positions available at the following website. https://www.osaka-u.ac.jp/en/guide/employment/links/ 2. A list of research achievements (original papers, review papers, books, patents, presentations at international conferences) 3. A list and an outline of awards and prizes 4. An outline of research and education achievements (within two A4 pages) 5. A research plan and educational aspirations (within two A4 pages) 6. Name, affiliation, and contact information of two professional referees who are willing to be contacted about the applicant <p>*Personal information in the application documents will only be used for the purpose of screening and hiring procedures, and will not be disclosed to any third party. *Submitted application documents will not be returned.</p> |
| 15. Sending Address and Contact Information | <p>Please submit by e-mail: application☆qi.mp.es.osaka-u.ac.jp (Please convert “☆” into “@”) *Write “Application for Specially Appointed Associate Professor (Full-Time) in Center for Quantum Information and Quantum Biology” in the subject line. *Attach the application documents in PDF format (with full security countermeasures).</p> <p>If any difficulty in submitting by e-mail, please submit by postal service:</p> <p>Attention: Specially Appointed Associate Professor Makoto Yamashita Center for Quantum Information and Quantum Biology, Osaka University Interdisciplinary Research Building 607, 1-2 Machikaneyama-cho, Toyonaka-City, Osaka, Japan</p> <p>*Please write “Application for Specially Appointed Associate Professor (Full-Time) on the front of the envelope in red ink. *Applications should be sent by registered mail.</p> <p>Contact Person: Specially Appointed Associate Professor Makoto Yamashita E-mail: application☆qi.mp.es.osaka-u.ac.jp (Please convert “☆” into “@”)</p> |
| 16. Application Deadline | <p>May 2,2022 (Japan Standard Time) or until the position is filled</p> |

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| 17. Selection Process | <p>Document screening will be followed by interviews. Selected applicants will be notified within two weeks after the application deadline.</p> <p>*Travel and accommodation fees necessary for interviews are to be covered by the applicant. The applicant may request an online interview.</p> <p>*Please note that unsuccessful applicants will not be contacted.</p> |
| 18. Additional Information | <p>Concerning work conditions other than above-mentioned, please refer to “36.Work Regulations for National University Corporation Osaka University Limited Term Staff” and/or related regulations. https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</p> <p>Please note the above-mentioned work conditions are as of the day this employment offer is posted, and subject to change.</p> <p>We also particularly encourage applications from female candidates. Osaka University is committed to promoting gender equality and providing various supports for female academic staff members. http://www.danjo.osaka-u.ac.jp/en_lp/</p> <p>*Osaka University campuses and related facilities are smoke-free, except for designated areas.</p> |
| 19. Recruiter | National University Corporation Osaka University |