

### Faculty Position in the Cybermedia Center, Osaka University

Outline	<p>The Cybermedia Center, Osaka University, is recruiting an academic staff member who is in charge of research and development of "Module-typed Quantum Computing Software Library Leveraging Quantum-Supercomputers Integration System" under the New Energy and Industrial Technology Development Organization (NEDO)'s "Research and Development Project for Strengthening Post-5G Information and Communication System Infrastructure / Development of Post-5G Information and Communication Systems / Research and Development of Quantum-supercomputers Hybrid Platform for Exploration of Uncharted Computable Capabilities".</p> <p>Research and Development Project Consignment period: November 1, 2023 to July 31, 2025(with the possibility of extension until October 31, 2028).</p> <p>Cybermedia Center: <a href="http://www.cmc.osaka-u.ac.jp/?lang=en">http://www.cmc.osaka-u.ac.jp/?lang=en</a>  NEDO, Research and Development Project for Strengthening Post-5G Information and Communication System Infrastructure:  <a href="https://www.nedo.go.jp/koubo/IT3_100264.html">https://www.nedo.go.jp/koubo/IT3_100264.html</a></p>
1. Position	Specially Appointed Assistant Professor (Full-Time)
2. Number of Positions	1
3. Affiliation	Applied Information Systems Research Division, Cybermedia Center, Osaka University
4. Work Location	Suita Campus (5-1 Mihogaoka, Ibaraki, Osaka 567-0047, Japan)
5. Specialized Field	Informatics (High Performance Computing, Software)
6. Job Description	<p>In the research and development of "Research and Development of Module-typed Quantum Computing Software Library Leveraging Quantum-supercomputers Integration System," we will engage in the research and development of technology for the integrated use of Quantum Computers and Supercomputers.</p> <p>The main work expected for this position is as follows:</p> <ul style="list-style-type: none"> <li>▪ Research and development related to High Performance Computing, Cloud Computing, Wide-area distributed computing.</li> <li>▪ Promotion and utilization of research achievements and products through the collaboration with other universities and research institutions in the world.</li> </ul> <p>Also, we expect this faculty position to actively join</p> <ul style="list-style-type: none"> <li>▪ Education and supervising of undergraduate and graduate students</li> </ul>
7. Qualifications	<p>[Essential requirements]</p> <p>Applicants must have:</p> <ul style="list-style-type: none"> <li>▪ a doctoral degree or equivalent in computer science.</li> <li>▪ basic knowledge on computer system and network and in particular, research achievements related to High Performance Computing, Cloud computing, and Wide-area distributed computing.</li> <li>▪ the ability to work in cooperation with faculty members and researchers of the Cybermedia Center and Center for Quantum Information and Quantum Biology, as well as the researchers of other universities, research institutes, and enterprises participating in the Research and Development Project for Strengthening Post-5G Information and Communication System Infrastructure / Development of Post-5G Information and Communication Systems / Research and Development of Quantum-supercomputers Hybrid Platform for Exploration of Uncharted Computable Capabilities.</li> <li>▪ experience in software, application, or system development related to management of computational resources.</li> <li>▪ willingness to perform studies with passion to cultivate and pioneer a new information communication system infrastructure and its component technologies.</li> </ul>

	<ul style="list-style-type: none"> <li>English or Japanese language skills to promote research and development, and also good communication skills in English and Japanese.</li> </ul>
	[Preferred]
	<ul style="list-style-type: none"> <li>to be able to contribute to the advancement of academic research in Japan with passion.</li> </ul>
8. Starting Date	August 1, 2024(or as soon as possible thereafter)
9. Term of Employment	<p>From the starting date to March 31, 2025.</p> <p>*After the term, the contract may be extended subject to continuity of work and performance evaluation within the Research and Development Project Consignment period. (*The maximum cumulative contract term is based on “Regulations Pertaining to Contract Period of National University Corporation Osaka University Fixed-term Staff, etc.”)</p>
10. Probationary Period	6 months
11. Employment Form	<p>Based on “38. Regulations Pertaining to Working Hours, Holidays and Leave for National University Corporation Osaka University Limited Term Staff”</p> <p><a href="https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html">https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</a></p> <p>*The Discretionary Labor System, Special Work Type will be applied with the applicant’s consent. (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”</p> <p><a href="https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html">https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</a></p> <p>Remuneration: 5,245,200~6,228,900 JPY per annum. (Monthly payments of one-twelfth of annual salary)</p> <ul style="list-style-type: none"> <li>Remuneration is determined according to the works assigned to the successful applicant based on the applicant’s career and other qualifications.</li> </ul> <p>Commuting allowance</p> <p>*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	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
14. Application Documents	<p>Applications must be written in English or Japanese and include the following</p> <ol style="list-style-type: none"> <li>A Curriculum Vitae <ul style="list-style-type: none"> <li>*Please use the university form for educational/research positions available at the following website.</li> <li><a href="https://www.osaka-u.ac.jp/en/news/employ/links">https://www.osaka-u.ac.jp/en/news/employ/links</a></li> </ul> </li> <li>A list of research achievements (Categorize them into peer-reviewed academic journals, refereed international conference papers, commentary papers, books, and others (patents, awards, etc.). Also include the status of external funding received.)</li> <li>Reprints of major original papers (No more than two papers. An outline of about 500 words for each paper)</li> <li>An outline of your research achievements (within two A4 pages)</li> <li>Experience in software and system development (about one A4 page)</li> <li>The expectation and aspiration to this job (about one A4 pages)</li> <li>Name, affiliation, and contact information of one or two professional referee who is willing to be contacted about the applicant</li> </ol> <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.</p>
15. Sending Address and Contact Information	<p>Send the application form using the Web application function from the relevant entry on JREC-IN Portal (D124040847). (Do not send it to the contact address below.)</p> <p>If you do not hear from us within one week after sending the application, please contact us.</p> <p>Contact Person: Professor Susumu DATE E-mail: <a href="mailto:date@cmc.osaka-u.ac.jp">date@cmc.osaka-u.ac.jp</a> Tel: +81-6-6879-8792</p>

16. Application Deadline	June 28, 2024 (Japan Standard Time) or until the position is filled
17. Selection Process	<p>Document screening will be followed by interviews. Selected applicants will be notified of details about interviews.</p> <p>*Travel and accommodation fees necessary for interviews are to be covered by the applicant. For applicants residing overseas, 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.  <a href="https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html">https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</a></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>In principle, there will be no changes to the affiliation, work location, or responsibilities after employment.</p> <p>“Deemed exports” related to security export control are based on “Regulations Pertaining to Security Export Control”.</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.  <a href="http://www.di.osaka-u.ac.jp/en_lp/">http://www.di.osaka-u.ac.jp/en_lp/</a></p> <p>*Osaka University campuses and related facilities are smoke-free, except for designated areas.</p>
19. Recruiter	National University Corporation Osaka University