

Faculty Position in the D3 Center, Institute for Digital Innovation, Osaka University

Outline	<p>The D3 Center, Institute for Digital Innovation, Osaka University, is recruiting an academic staff member responsible for the "Research and Development of Continuum Computing Platform" 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 Ultra-Distributed Computing Infrastructure."</p> <p>Consignment period: April 1, 2023 - October 19, 2025 (with the possibility of extension until March 2028).</p> <p>D3 Center (formerly known as the Cybermedia Center): http://www.cmc.osaka-u.ac.jp/?lang=en NEDO, Research and Development Project for Strengthening Post-5G Information and Communication System Infrastructure: https://www.nedo.go.jp/koubo/IT3_100264.html</p>
1. Position	Specially Appointed Assistant Professor (Full-Time)
2. Number of Positions	1
3. Affiliation	Advanced High-Performance Computing Infrastructure Systems Research Division, D3 Center, Osaka University
4. Work Location	Suita Campus (5-1 Mihogaoka, Ibaraki, Osaka 567-0047, Japan)
5. Specialized Field	Informatics (Computer Systems and Networks, Machine Learning)
6. Job Description	<p>In the "Research and Development of Continuum Computing Platform," we will engage in developing technology for managing and controlling computer and network resources that are virtualized at a fine-grained level in a wide-area environment.</p> <p>The main responsibilities expected for this position are as follows:</p> <ul style="list-style-type: none"> ▪ Research and development related to computer systems and networks, edge computing, and cloud computing, leveraging machine learning techniques. ▪ Promotion and utilization of research achievements and products through collaboration with universities and research institutions worldwide. <p>Additionally, we expect this faculty position to actively participate in:</p> <ul style="list-style-type: none"> ▪ Education and supervision of undergraduate and graduate students.
7. Qualifications	<p>[Essential requirements]</p> <p>Applicants must have:</p> <ul style="list-style-type: none"> ▪ A doctoral degree or equivalent in computer science. ▪ Basic knowledge of computer systems and networks, particularly regarding research achievements related to edge computing and cloud computing. ▪ Experience in software or system development related to computer or network resource management. ▪ The ability to work with responsibly in cooperation with faculty members and researchers at the D3 Center, as well as the researchers from other universities, research institutes, and enterprises participating in the Research and Development Project for Strengthening the Post-5G Information and Communication System Infrastructure / Development of Post-5G Information and Communication Systems / Research and Development of Ultra-Distributed Computing Infrastructure.
	<p>[Preferred]</p> <ul style="list-style-type: none"> ▪ Proficiency in either English or Japanese to promote research and development, along with strong communication skills in both languages.

	<ul style="list-style-type: none"> ▪ Expertise and development experience in machine learning, particularly distributed machine learning, reinforcement learning, and time series data analysis ▪ A demonstrated ability to contribute to the advancement of academic research in Japan with passion.
8. Starting Date	January 1, 2025(or as soon as possible thereafter)
9. Term of Employment	<p>From the starting date until October 15, 2025.</p> <p>*Following the completion of the term, the contract may be extended, subject to the continuity of work and performance evaluations.</p> <p>*After the term, the contract may be extended, subject to evaluation within the valid period of the budget. (The maximum extension limit is 10 years from the starting date.)</p> <p>*The maximum cumulative contract term is 10 years from the starting date, based on the 'Regulations Pertaining to the Contract Period of the 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>https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</p> <p>*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”</p> <p>https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</p> <p>Remuneration: 5,245,200 JPY to 6,228,900 JPY per annum. (Monthly payments will be made in one-twelfth of the annual salary.)</p> <p>*Remuneration is determined according to the duties assigned to the successful applicant, based on the applicant's career and other qualifications.</p> <p>*A commuting allowance is provided.</p> <p>*Bonuses and allowances for housing, dependents, and retirement are included in the aforementioned 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"> 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 (Categorize them into peer-reviewed academic journals, refereed international conference papers, commentary papers, books, and others, such as patents and awards. Also, include the status of external funding received.) 3. Reprints of major original papers (No more than two papers; include an outline of approximately one 500 words for each paper) 4. An outline of your research achievements (within two A4 pages) 5. Experience in software and system development (approximately one A4 page) 6. Expectations and aspirations for this position (approximately one A4 page) 7. Name, affiliation, and contact information of one or two professional referees who are willing to be contacted regarding the applicant <p>*The 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>Please submit the application form using the web application function from the relevant entry on the JREC-IN Portal (D124110714). (Do not send it to the contact address below.)</p> <p>If you do not hear from us within one week after submitting your application, please contact us.</p> <p>Contact Person: Professor Susumu DATE</p>

	E-mail: date@cmc.osaka-u.ac.jp Tel: +81-6-6879-8792
16. Application Deadline	November 30, 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 the details regarding the interviews.</p> <p>*Travel and accommodation expenses incurred for the interviews will be the responsibility of the applicants. Applicants residing overseas 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 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>After employment, the affiliation, work location, and responsibilities may be subject to change within the limits set by the University.</p> <p>“Deemed exports” related to security export control are based on “Regulations Pertaining to Security Export Control”.</p> <p>Osaka University is committed to promoting gender equality and providing various support for female academic staff members: we strongly encourage applications from female candidates. http://www.di.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