

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

(A change made on 18 February 2025 in red)

Outline	<p>The D3 Center, Institute for Digital Innovation, the University of Osaka, is recruiting an academic staff member to be 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 an extension until March 2028).</p> <p>D3 Center (formerly known as the Cybermedia Center): https://www.d3c.osaka-u.ac.jp/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 in computer systems and networks, edge computing, and cloud computing, with a focus on applying machine learning techniques. ▪ Promotion and utilization of research outcomes and products through collaboration with universities and research institutions globally. <p>Additionally, we expect the successful candidate for this faculty position to actively participate in:</p> <ul style="list-style-type: none"> ▪ The 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 in research achievements related to edge computing and cloud computing. ▪ Experience in software or system development related to the management of computer or network resources. ▪ The ability to work responsibly and 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 advance research and development, along with strong communication skills in both languages. ▪ Expertise and development experience in machine learning, particularly in distributed machine learning, reinforcement learning, and time series data analysis ▪ A demonstrated ability to contribute to the advancement of academic research in Japan with enthusiasm and dedication.
8. Starting Date	April 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>*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: 5,409,000 JPY to 6,423,300 JPY per annum. (Monthly payments will be made in one-twelfth of the annual salary.)</p> <p>*Remuneration will be determined according to the duties assigned to the successful applicant, based on the applicant’s career and other qualifications.</p> <p>*A commuting allowance will be 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 <ul style="list-style-type: none"> *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 journal articles, refereed international conference papers, commentary papers, books, and others such as patents and awards. Additionally, include the status of external funding received.) 3. Reprints of major original papers (No more than two papers; each paper should include an outline of approximately 500 words) 4. An outline of your research achievements (up to two A4 pages) 5. Experience in software and system development (up to one A4 page) 6. Expectations and aspirations for this position (up to 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 your application using the web application function on the relevant entry of the JREC-IN Portal (D125010392). (Do not send it to the contact address below.)</p> <p>If you do not receive a response within one week after submitting your application, please contact us.</p>

	<p>Contact Person: Professor Susumu DATE E-mail: date@cmc.osaka-u.ac.jp Tel: +81-6-6879-8792</p>
16. Application Deadline	<p>March 31, 2025 (Japan Standard Time) or until the position is filled</p>
17. Selection Process	<p>Document screening will be followed by interviews. Selected applicants will be notified of the details regarding the interviews. *Travel and accommodation expenses incurred for the interviews will be the responsibility of the applicants. Applicants residing overseas may request an online interview. *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>The University of Osaka 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>*The University of Osaka campuses and related facilities are smoke-free, except for designated areas. *National University Corporation Osaka University is the same as the University of Osaka.</p>
19. Recruiter	<p>The University of Osaka</p>