

Faculty Position in the Cybermedia Center, Osaka University

Outline	Based on the selected research and development national project operated by the New Energy and Industrial Technology Development Organization (NEDO), the Cybermedia Center Advanced Network Environment Research Division will start R&D on data center OS for drastic energy saving of data centers from July 1, 2022.
1. Position	Specially Appointed Assistant Professor (Full-Time) or Specially Appointed Lecturer (Full-Time) or Specially Appointed Associate Professor (Full-Time) (*) The position title and the works assigned to the successful applicant will be determined based on the applicant's career and other qualifications.
2. Number of Positions	1
3. Affiliation	Data Center OS Research Project, Advanced Network Environment Research Division, Cybermedia Center, Osaka University
4. Work Location	Toyonaka Campus (1-32 Machikaneyama, Toyonaka-City, Osaka, 567-0047)
5. Specialized Field	Machine learning technology, network technology and computing technology
6. Job Description	It is aiming for promoting the optimization of various parameters mainly from the viewpoint of machine learning for the "Data Center OS Research Project" supported by the NEDO scheduled to start on July 1, 2022, from the aspect of 1. Microservice allocation technology with power consumption and response time as the evaluation functions. 2. Coordination control technology for microservice allocation and air conditioning 3. Power consumption/responsibility prediction model technology for ICT equipment 4. International standardization, including proposals to CNCF, for the built world's first OS
7. Qualifications	[Essential requirements] Applicants must have: <ul style="list-style-type: none"> ▪ a doctoral degree or equivalent. ▪ English language skills (e.g. writing technical documents and giving presentations) required to accomplish the works described in "6. Job Description". ▪ the ability to work in cooperation with faculty members and researchers of the Cybermedia Center and to carry out the works described in "6. Job Description" with a strong sense of responsibility.
8. Starting Date	July 1, 2022(or as soon as possible thereafter)
9. Term of Employment	From the starting date to March 31, 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
11. Employment Form	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)

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: 4,740,900~7,537,200 JPY per annum. (Monthly payments of one-twelfth of annual salary)</p> <ul style="list-style-type: none"> ● Remuneration is determined according to the works assigned to the successful applicant based on the applicant’s career and other qualifications. <p>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/news/employ/links 2. 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.) 3. Reprints of major original papers (No more than three papers. An outline of about 500 words for each paper) 4. An outline of your research achievements (within two A4 pages) 5. The expectation and aspiration to this job (about two A4 pages) 6. Name, affiliation, and contact information of one or two professional referee who is 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.</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 (D122060204). (Do not send it to the contact address.) If you do not hear from us within one week after sending the application, please contact us. Contact Person: Professor Morito Matsuoka E-mail: matsuoka.morito@osaka-u.ac.jp Tel: +81-6-6850-6869</p>
16. Application Deadline	<p>June 24,2022 (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 details about interviews. *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. *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. 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/ *Osaka University campuses and related facilities are smoke-free, except for designated areas.</p>
19. Recruiter	<p>National University Corporation Osaka University</p>