

Faculty Position in the Cybermedia Center, Osaka University

Outline	<p>The Cybermedia Center, Osaka University has a responsibility of providing high performance computing environment with researchers and scientists in Japan. For the purpose, we have been studying the information technologies useful for scientists' and researchers' promoting researches using our supercomputing systems. The Joint Research Laboratory for Integrated Infrastructure of High Performance Computing and Data Analysis(*) established in the Cybermedia Center, in particular, focuses on (1) High-performance computing technology and data analysis integrated computing technology that allows us to make maximum use of the hardware performance, (2) High-performance computer system infrastructure technology that can accommodate a wide variety of computing needs , and, (3) Data aggregation and technology management that make high-performance computers easier to use.</p> <p>The Joint Research laboratory is seeking an academic staff member who has a flexible attitude and can contribute to developing and harnessing the strength of the laboratory's research. Inquiries regarding this position are welcome.</p> <p>We are recruiting an academic staff member who is able to promote the research on technologies, which allow users to benefit from OCTOPUS and SQUID, large-scale computer systems, and ONION, the data aggregation infrastructure in the Cybermedeia Center from both perspectives of users and administrators, in a flexible thinking way.</p> <p>(*) Joint Research Laboratory for Integrated Infrastructure of High Performance Computing and Data Analysis will be a time-limited organization until April 30, 2024 (with the possibility of extension).</p>
1. Position	Specially Appointed Associate Professor (Full-Time)
2. Number of Positions	1
3. Affiliation	Joint Research Laboratory for Integrated Infrastructure of High Performance Computing and Data Analysis, 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 this position, we are looking for a Specially-appointed Associate Professor (Full-Time) who is able to accomplish the following work, by engaging in the above topic (1) High-performance computing technology and data analysis integrated computing technology that allows us to make maximum use of the hardware performance, and the above topic (2) High-performance computer system infrastructure technology that can accommodate a wide variety of computing needs</p> <ul style="list-style-type: none"> ▪ Research and development related to High Performance Computing (parallel computing, distributed computing, cloud computing), and Software (virtualization technologies, container orchestration) ▪ Promotion and utilization of research achievements and products through the collaboration with other universities and research institutions in the world ▪ Education and supervision of undergraduate and graduate students. <p>Also, we expect this faculty position to actively join</p> <ul style="list-style-type: none"> ▪ Administration and management large-scale computer systems in the Cybermedia Center and user support.
7. Qualifications	[Essential requirements]
	<p>Applicants must have:</p> <ul style="list-style-type: none"> ▪ a doctoral degree or equivalent in computer science. ▪ knowledge on computer system, and in particular, research achievements related to either technological field of parallel computing, distributed computing, cloud computing, virtualization technologies, or container orchestration.

	<ul style="list-style-type: none"> ▪ knowledge and experience regarding construction, administration and management, user support/research support of high performance computing systems. ▪ willingness to perform studies with passion to cultivate and pioneer a new computing technologies and system infrastructure technologies, taking the cutting-edge research and technological trend ▪ ability to work in cooperation with faculty members and researchers of the Cybermedia Center and engineers of vendors which are in charge of supercomputing system administration, and to carry out the works described in “6. Job Description” with a strong sense of responsibility.
	<p>[Preferred]</p> <ul style="list-style-type: none"> ▪ Knowledge on quantum computing, such data science techniques as machine learning and artificial intelligence. ▪ English or Japanese language skills to promote research and development, and also good communication skills in English and Japanese. ▪ to be able to contribute to the advancement of academic research in Japan as well as nurturing of young human resources with passion.
8. Starting Date	November 1, 2023(or as soon as possible thereafter)
9. Term of Employment	From the starting date to Apr. 30, 2024 *After the term, the contract may be extended subject to evaluation within the valid period of this Joint Research Laboratory. (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	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: 7,537,200~9,261,900 JPY per annum. (Monthly payments of one-twelfth of annual salary) ● Remuneration is determined according to the works assigned to the successful applicant based on the applicant’s career and other 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.
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	Applications must be written in English or Japanese and include the following 1. A Curriculum Vitae (2 pages in principle) *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 250 words for each paper) 4. An outline of your research achievements (within three A4 pages) 5. Achievements related to construction and administration and management of high performance computing systems, data infrastructure, and so forth, and the user support and research support (within three A4 pages) 6. Aspirations for this position (about three A4 page)

	<p>7. Name, affiliation, and contact information of one or two professional referee who is willing to be contacted about the applicant</p> <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 (D123080372). (Do not send it to the contact address.)</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</p> <p>E-mail: date@cmc.osaka-u.ac.jp Tel: +81-6-6879-8792</p>
16. Application Deadline	<p>August 31,2023 (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.</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.</p> <p>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.</p> <p>Osaka University is committed to promoting gender equality and providing various supports for female academic staff members.</p> <p>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	<p>National University Corporation Osaka University</p>