

### Faculty Position in Research Center for Ultra-High Voltage Electron Microscopy, Osaka University

Outline	<p>The Research Center for Ultra-High Voltage Electron Microscopy is working on the development of advanced measurement methods using transmission electron microscopes, primarily high voltage electron microscopes.</p> <p>We are seeking an academic staff member who can carry out the research with innovative ideas and enthusiasm, in collaboration with the faculty members of the center.</p> <p>We would especially prefer a candidate who is proactively involved in developing methods that incorporate information science such as machine learning, and who can also apply the developed methods to material research.</p> <p>For more information about the center's current research areas, see the following page:  <a href="http://www.uhvem.osaka-u.ac.jp/en/activities01.html">http://www.uhvem.osaka-u.ac.jp/en/activities01.html</a></p> <p>Details about the laboratory equipment currently installed at the center can be found here:  <a href="http://www.uhvem.osaka-u.ac.jp/en/what.html">http://www.uhvem.osaka-u.ac.jp/en/what.html</a>  <a href="http://www.uhvem.osaka-u.ac.jp/nanoplatform-kouzoukaiseki/en/setsubi.html">http://www.uhvem.osaka-u.ac.jp/nanoplatform-kouzoukaiseki/en/setsubi.html</a></p>
1. Position	Assistant Professor
2. Number of Positions	1 (One)
3. Affiliation	Research Division of Electron Microscopy Theory, Research Center for Ultra-High Voltage Electron Microscopy
4. Work Location	Suita Campus (7-1 Mihogaoka, Ibaraki-City, Osaka, Japan)
5. Specialized Field	Development of advanced measurement methods using electron microscopes and their applications to material research
6. Responsibilities	<ul style="list-style-type: none"> <li>Research in the areas described above.</li> <li>Educational activities for undergraduate and graduate school students in the Department of Quantum Information Electronics, Graduate School of Engineering.  <a href="http://www.eei.eng.osaka-u.ac.jp/english/departments/introduction03.html">http://www.eei.eng.osaka-u.ac.jp/english/departments/introduction03.html</a></li> <li>Maintenance of laboratory equipment in the center and technical support for external users, including those utilizing Nanostructural analysis department, Advanced Research Infrastructure for Materials and Nanotechnology in Japan (ARIM).</li> </ul>
7. Qualifications	<p>[Essential]</p> <p>Applicants must have:</p> <ol style="list-style-type: none"> <li>(1) A doctoral degree</li> <li>(2) Research achievements in the related fields</li> <li>(3) Business level or above Japanese language proficiency</li> </ol>
	<p>[Preferred]</p> <p>Applicants with experience of supervising students at the undergraduate and graduate level</p>
8. Starting Date	January 1, 2025 (or as soon as possible thereafter)
9. Term of Employment	<p>From the starting date to December 31, 2029.</p> <p>*Following completion of the term, the contract may be extended (one time only) subject to continuity of work and performance evaluation.</p> <p>*The maximum cumulative contract term is 10 years from the starting date, 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”  <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>            *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 “47. Salary Regulations for National University Corporation Osaka University Limited Term Staff Subject to New Annual Salary System”  <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>
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"> <li>1. A Curriculum Vitae Please use the university form for educational/research positions available at the following page. <a href="https://www.osaka-u.ac.jp/en/news/employ/links">https://www.osaka-u.ac.jp/en/news/employ/links</a></li> <li>2. A list of research achievements Please classify into the following categories:              [1] original papers              [2] peer-reviewed international conference papers              [3] review papers, tutorial papers              [4] books              [5] invited talks              [6] others such as patents and awards.              For [1] to [3], please clearly state all author names, title, journal name, volume, year of publication, and pages.</li> <li>3. Up to 5 major original papers (If submitting by postal service, please send 3 separate reprints or photocopies)</li> <li>4. Grants received in the last 5 years (Indicate whether you were a research representative or a co-researcher)</li> <li>5. Activities in academic societies, international conferences, and general societies</li> <li>6. An outline of research and education achievements (within two A4 pages)</li> <li>7. A research plan and educational aspirations (within one A4 page)</li> <li>8. Name, affiliation, and contact information of two professional referees who are willing to be contacted about the applicant. Also, include details of any research experience abroad if applicable.</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>Please submit your application by e-mail to:  <a href="mailto:kaorum.uhvem@osaka-u.ac.jp">kaorum.uhvem@osaka-u.ac.jp</a></p> <p>*Write “Application for assistant professor position in Research Center for Ultra-High Voltage Electron Microscopy” in the subject line.            *Attach the application documents in PDF format (Total of 20 MB or less) with full security countermeasures.            * If the files are too large to email, then online storage can be used and email its URL.            * Applicants will be notified within one week after submitting the documents.</p> <p>If any difficulty in submitting by e-mail, please submit your application by postal service to:            Attention: Director Kaoru Mitsuoka            Research Center for Ultra-High Voltage Electron Microscopy, Osaka University            7-1 Mihogaoka, Ibaraki-city, Osaka 567-0047 JAPAN</p> <p>*Please write “Application for assistant professor position in Research Center for Ultra-High Voltage Electron Microscopy” on the front of the envelope in red ink.            *Applications should be sent by registered mail.            *Submitted application documents will not be returned.</p>

	<p>Contact Person: Professor Jun Yamasaki  Tel: +81-6-6879-7941, E-mail: <a href="mailto:yamasaki@uhvem.osaka-u.ac.jp">yamasaki@uhvem.osaka-u.ac.jp</a></p>
16. Application Deadline	October 24, 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 within two weeks after the application deadline.</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> <p>*If there are no qualified candidates, no one may be hired.</p>
18. Additional Information	<p>Concerning work conditions other than the 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