

### Faculty Position in Joining and Welding Research Institute, Osaka University

Outline	<p>Our laboratory develops detailed and practical methods for evaluating the mechanical and material effects of welding and joining processes on the performance (strength, fatigue, etc.) of welded and joined components and structures. The factors considered range from macroscopic to microscopic, including weld distortion, residual stresses, and changes in microstructure and material properties due to the weld thermal cycle. Furthermore, we aim to extend the knowledge obtained from the evaluation method to the design of welds and joints.</p> <p>We are looking for individuals who can contribute to the development of joining science by actively promoting research and education on the advancement of structural design processes involving welding and joining.</p>
1. Position	Assistant Professor
2. Number of Positions	1 (One)
3. Affiliation	Joining and Welding Research Institute (Research Division of Materials Joining Assessment, Department of Joining Design and Structuring)
4. Work Location	Suita Campus (11-1 Mihogaoka, Ibaraki, Osaka, Japan)
5. Specialized Field	Mechanics of Materials, Structural Mechanics, Strength and Fracture of Materials, Welding Mechanics
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.</li> <li>• Administrative jobs in Joining and Welding Research Institute and Osaka University.</li> </ul>
7. Qualifications	<p>[Essential]</p> <p>Applicants must:</p> <ol style="list-style-type: none"> <li>(1) have a Ph.D. (If the applicant does not have a Ph.D. at the time of application, the applicant must be expected to obtain the Ph.D. by March 31<sup>st</sup>, 2023.)</li> <li>(2) be interested in the above-mentioned specialized fields and be able to actively and independently promote their research.</li> <li>(3) have Japanese proficiency with a business level or above.</li> </ol>
	<p>[Preferred]</p> <p>Applicants preferably have experience in experiment-based research on fatigue of structural materials and a willingness to develop their research to include welds and joints in the future. (Current experience in the evaluation of welds and joints is not required.)</p>
8. Starting Date	January 1 <sup>st</sup> , 2023 (or as soon as possible thereafter)
9. Term of Employment	<p>Based on “Act on Term of Office of University Teachers, etc.”, five years from the starting date.</p> <ul style="list-style-type: none"> <li>• The contract may be extended for one time only. The contract extension is subject to evaluation, and the period of the extension will be five years.</li> </ul>
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><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> <ul style="list-style-type: none"> <li>• The Discretionary Labor System, Special Work Type will be applied (deemed working hours: 8 hours a day)</li> </ul>
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”</p> <p><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	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>Application documents must be written in English or in Japanese and include the following. Please submit one original copy and if submit by postal mail, five photocopies.</p> <ol style="list-style-type: none"> <li>1. A Curriculum Vitae (photo attached) * Please use the university form available at the following website. <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. List of research achievements and academic publications (Please classify publications into categories such as refereed original paper, international conference paper, book, review paper, tutorial paper, patent and so on. The refereed original papers should include the journal impact factor and the total number of citations.)</li> <li>3. Reprints of major original papers (up to five papers. Photocopies acceptable.) * For each of the papers, please put a cover sheet describing the followings; the journal impact factor, the total number of citations, the abstract of the paper, the significance of the paper, the applicant's contributions to the paper)</li> <li>4. Major research achievements (up to 2 pages in A4 size)</li> <li>5. Research plans and statements of educational aspirations (up to 2 pages in A4 size)</li> <li>6. List of external research funds</li> <li>7. Other special notes (awards and prizes received, activities in academic societies, social activities, industry-academia-government collaboration, etc.)</li> <li>8. Recommendation letters from two references or names and contact information of two references</li> </ol> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Submitted application documents will not be returned.</li> </ul>
15. Sending Address and Contact Information	<p>(If submitted by postal mail)</p> <ul style="list-style-type: none"> <li>• Write "Application for faculty position (Assistant Professor) in Division of Materials Joining Mechanism" on the envelope in red ink.</li> <li>• Send application documents by registered mail.</li> <li>• Submitted application documents will not be returned.</li> </ul> <p>Postal address: Chief of General Affairs Unit, Joining and Welding Research Institute, Osaka University 11-1 Mihogaoka, Ibaraki, Osaka, 567-0047, Japan</p> <p>(If submitted by e-mail)</p> <ul style="list-style-type: none"> <li>• Write "Application for faculty position (Assistant Professor) in Department of Joining Design and Structuring" in the subject line.</li> <li>• Attach the application documents in PDF format (with full security countermeasures).</li> </ul> <p>E-mail address: jwri-recruitment#ml.office.osaka-u.ac.jp (please change the # to @), General Affairs Unit (Personnel)</p> <p>Contact Person: Professor Yoshiki Mikami E-mail: mikami#jwri.osaka-u.ac.jp (please change the # to @)</p>
16. Application Deadline	Application documents must arrive no later than October 31 <sup>st</sup> , 2022 (Japan Standard Time).
17. Selection Process	<p>Interviews will follow document screening. The result of the document screening will be notified to all applicants.</p> <ul style="list-style-type: none"> <li>• The applicant covers travel and accommodation fees necessary for interviews. For applicants residing overseas, the applicant may request an online interview.</li> </ul>

<p>18. Additional Information</p>	<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>  Please note the above-mentioned work conditions are as of the day this employment offer is posted and are subject to change.</p> <ul style="list-style-type: none"> <li>• We also particularly encourage applications from female candidates.</li> <li>• Osaka University is committed to promoting gender equality and providing various supports for female academic staff members.  <a href="https://www.di.osaka-u.ac.jp/en_lp/">https://www.di.osaka-u.ac.jp/en_lp/</a></li> <li>• Osaka University campuses and related facilities are smoke-free, except for designated areas.</li> </ul>
<p>19. Recruiter</p>	<p>National University Corporation Osaka University</p>