

Faculty Position in the Institute of Scientific and Industrial Research , Osaka University

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| <p>Outline</p> | <p>Quantum beam technologies are fundamental to a wide range of areas, such as its industrial application to production of semiconductor devices, scientific measurement technologies applying electron beam and synchrotron radiation, and to cancer therapy using ion beam treatment. It is important to establish a basic physical research foundation for developing beam technologies that will play important roles in our future society. These include: radiation measurement(dosimetry) under extreme conditions, beam measurement and diagnostic technologies conscious of application in the areas of space and medicine, development of areas of application for terahertz waves and other new wave forms, high-performance beam acceleration technologies such as superconductive accelerator, RF guns, research in plasma acceleration and other new acceleration methods, as well as X-ray generating technologies based on the Compton effect, among others.</p> <p>In this field, the successful applicant is expected to conduct research on beam acceleration, beam transportation, and beam measurement and provide the foundation for future quantum beam science, focusing on basic research leading to industrial applications.</p> <p>Through development of novel quantum beams or novel measuring techniques using quantum beams, the successful applicant will contribute to the development of extreme materials (new materials that can be used under extreme conditions such as heavy radiation fields) centering on planned use of a new quantum beam ISIR is aiming to develop.</p> <p>Furthermore, within this area of research, the successful applicant will collaborate closely with researchers from others research areas at ISIR, and is expected to bring innovation and technical advancement to ISIR research areas pertaining to materials science, biological science, information science and nanotechnology.</p> <p>In addition, the successful applicant is also scheduled to participate in education and research relating to this field at Osaka University's Graduate School of Science.</p> |
| <p>1. Position</p> | <p>Professor</p> |
| <p>2. Number of Position</p> | <p>One</p> |
| <p>3. Affiliation</p> | <p>Department of Beam Physics, Division of Advanced Materials and Beam Science, The Institute of Scientific and Industrial Research</p> |
| <p>4. Work Location</p> | <p>Suita Campus (8-1, Mihogaoka, Ibaraki, Osaka 567-0047. JAPAN)</p> |
| <p>5. Specialized Field</p> | <p>Described in the above outline</p> |
| <p>6. Responsibilities</p> | <p>Scope of research and education as described in the above outline</p> |

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| 7. Qualifications | [Essential] The applicant must: (1) Have a Ph.D. (2) Have a specialized knowledge and achievement in beam physics (3) Have an ability to teach graduate students (4) Be capable of communicating in Japanese on a daily basis (5) Have an English language ability sufficient to fulfill work duties |
| | [Desirable] License as a senior radiation protection supervisor |
| 8. Starting Date | After April 1, 2019 |
| 9. The term of Employment | No Fixed Term |
| 10. Probation Period | 6 months |
| 11. Employment Form | The discretionary Labor System, Special Work Type is applied. (Deemed working hours: 8 hours a day) *Based on the 'Regulations Pertaining to Working Hours, Holidays and Leave for National University Corporation Osaka University Staff.' http://www.osaka-u.ac.jp/en/guide/information/joho/files/sk0006e.pdf |
| 12. Salary and Benefits | *Based on the 'Salary Regulations for National University Corporation Osaka University Staff.' http://www.osaka-u.ac.jp/en/guide/information/joho/files/sk0010e.pdf |
| 13. Insurance | Medical insurance of National Public Service Personnel Mutual Aid Associations, Employment Insurance and Workers' Accident Compensation Insurance. |

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| <p>Application Document</p> | <p>Applications must be written in English or Japanese and include the following</p> <p>① Curriculum Vitae (photo attached) *Please use the university form available at the following website. http://www.osaka-u.ac.jp/en/news/employ/en/news/employ/academic_staff/index.html</p> <p>② List of research achievements and academic publications</p> <ol style="list-style-type: none"> 1. Original papers 2. International conference papers 3. Review papers and tutorial papers 4. Books 5. Patents 6. Total citation and list of top 10 papers with citation. Indicate the tool used (web of science, google scholar etc.). 7. Prizes or awards you have received. 8. Funding received as a primary investigator (total budget, budget name, period, title of research project). 9. Invited talks at international conferences. <p>③ Major original papers (within 5 papers, with impact factor and citation number, PDF files)</p> <p>④ Content and achievements of your major research projects and their achievements (within two A4-size pages)</p> <p>⑤ Research plans (within two A4-size pages)</p> <p>⑥ Statement of educational aspirations (within one A4-size page)</p> <p>⑦ Names and contact information on two referees</p> <p>*Submitted application documents will not be returned. *Submitted application documents will only be used for the purpose of application screening and hiring procedures.</p> |
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| 15. Sending Address and Contact information | <p>Convert the application documents to a PDF file (the file size should be less than 10M byte).</p> <p>Send the application documents by e-mail.</p> <p>*Write 'Application for Position at Department of Beam Physics' in the subject line.</p> <p>Contact Person: Director Prof. Katsuaki Suganuma Tel: +81-6-6879-8508 E-mail: isir-qbp@sanken.osaka-u.ac.jp</p> |
| 16. Application deadline | Aug. 31th, 2018. (Japan Standard time) |
| 17. Selection Process | <p>After documents have been reviewed, only selected candidates will be interviewed.</p> <p>*Only selected candidates will be notified and invited for the interviews.</p> <p>Please note that unsuccessful applicants after initial screening will not be contacted.</p> <p>*Travel and accommodation fees necessary for interviews are to be covered by the candidate.</p> |
| 18. Additional Information | <p>Please refer to 'Work Regulations for National University Corporation Osaka University Staff' and the other regulations for other than the above-mentioned and/or further details about conditions of the work.</p> <p>http://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</p> <p>Osaka University is promoting gender equality. It welcomes strongly motivated female applicants.</p> |
| 19. Recruiter | National University Corporation Osaka University |