

Researcher (part-time)

Institute for Integrated Radiation and Nuclear Science, Kyoto University

December 11 , 2024

Job Title	Researcher (part-time)
Number of Positions	1
Affiliation	Division of Thermal Energy, Institute for Integrated Radiation and Nuclear Science, Kyoto University (Location :2-1010, Asashiro-nishi, Kumatori-cho, Sennan-gun, Osaka)
Job description	This project will be focusing on experimental study on a gas-liquid two-phase flow in a packed bed system in relation to debris cooling of nuclear severe accidents. By utilizing neutron/X-ray imaging, void fraction distributions in the two-phase flow are precisely measured to clarify the detailed two-phase flow behavior. By participating and contributing to this project, you will gain experience and knowledge in neutron/X-ray imaging and in other measurement techniques for multi-phase flow. Then you will be applying such measurement techniques in improving existing two-phase flow models, which are used for development of numerical simulation codes.
Requirements	Ph.D. degree holders (including prospective candidates) in engineering, or other related fields, or have equivalent experiences.
Starting Date	As early as possible (Negotiable) to April 1, 2025
Probation	-
Working Conditions	Five (5) working days a week. 10:00-17:00 work schedule with one hour lunch break (12:00 - 13:00) Days off: Saturdays, Sundays, public holidays, year-end and New Year holidays, and Foundation Day, as per University guidelines *Details such as working days, hours, time, etc. are at interview *Overtime may be ordered as necessary
Salary	1,300 Yen – 3,900 Yen/hour (determined based on the Kyoto University Standards depending on capabilities and backgrounds)
Allowance	Commuting expenses and overtime will be paid based on the Kyoto University Standards. No other allowances, bonuses, retirement allowances, etc.
Social insurance	Workers' compensation. Health insurance, employee pension insurance, and employment insurance are enrolled depend on the type of work.
Application method	Please send the following application form (format does not matter) in one PDF document by email, (1) Complete CV (with photo, email address, education/employment experience) (2) Research summary (including research topics, achievements, and your proficient experimental techniques) (3) A letter of recommendation
Deadline	Open until the position is filled.
Screening	After the first screening (examination of application documents), successful candidates will be contacted for an interview. *Please note that any travel expenses incurred will not be reimbursed

Contact	<p>Yasushi Saito (Professor)</p> <p>Institute for Integrated Radiation and Nuclear Science, Kyoto University</p> <p>2-1010, Asashiro-nishi, Kumatori-cho, Sennan-gun, Osaka 590-0494</p> <p>Tel :+81-72-451-2374</p> <p>Email: saito.yasushi.8r@kyoto-u.ac.jp</p>
Note	<ul style="list-style-type: none"> - We cannot answer questions about the selection process, or the reasons for acceptance or rejection. - The submitted documents will be used only for recruitment screening. - We will not disclose, transfer or lend these data to a third party without a justifiable reason. - Please note that application documents will not be returned. <p>To prevent passive smoking, Kyoto University prohibits smoking at indoors and outdoors at all campuses except for the designated smoking areas.</p>