

■ Job Information

Subject No.	2025R-95
Job Title	Short-Term Researcher
Department	Advanced ICT Research Institute / Center for Information and Neural Networks, Brain Function Analysis and Imaging Laboratory
Work Contents (Research theme)	Development of algorithms, circuits and theory based on classical and non-classical magnetic spin principles
Detail of Work Contents	<p>This research aims to develop algorithms and circuits for classical and non-classical magnetic spin systems as part of the CREST project "Non-classical spin integrated systems". Emphasis will be on implementations on magnetic spin systems that have been verified experimentally, as well as on the theoretical analysis of energy consumption, robustness to errors, and computation speed.</p> <p>The Article 15(2) of the Act on the activation of Science, Technology and Innovation will be applied to this work content.</p>
	In accordance with the policy of the Japanese government decided on February 12, 2020 (https://www8.cao.go.jp/cstp/compefund/jisshishishin.pdf), employees to be hired through this recruitment may apply for external competitive research fundings such as Grant-in-Aid for Scientific Research (KAKENHI) and NICT's internal research fundings if conditions of employees meet the requirements of the policy.
Application requirement	The candidate should have a PhD and is required to have a strong background and experience in at least one of the following topics: unconventional computing, asynchronous systems, neural-networks, noise and fluctuations, quantum computation, magnetic spin systems, physics of computation, information theory, statistical mechanics. In addition, the candidate should have a proven track record in the form of publications in international journals.
Recruiting (Number of people)	1
Contract period	hiring date ~ March 31,2026 N.B. Contract will not be renewed.
Salary (basic salary)	¥22,820/day Basic salary shall be determined by taking into account each employee's experience and task to be engaged in. However, as a basic salary is compliant with government employees' wages, it shall be changed when a basic salary is changed after labor union and the like of NICT agreed under a revision to the government employees' wages.
Work Place	Advanced ICT Research Institute (Iwaoka, Nishi-ku, Kobe-shi, Hyogo)
Working frequency	3days/week (7.5hours/day)

*Department name and work place including work contents (research theme) and detail of work contents might change according to organizational change, etc.

*Scope of change in work and workplace : No changes are expected in general.