

■ Job Information

Subject No.	2025R-94
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Center for Information and Neural Networks, Brain Function Analysis and Imaging Laboratory
Work Contents (Research theme)	Developments of circuits and its design rule based on the physics of classical and non-classical magnetic spins
Detail of Work Contents	<p>This research, as part of the CREST project "Nonclassical Spin Integrated Systems", aims to clarify circuits and their design methods based on the physical principles of classical and nonclassical magnetic spin systems. Emphasis will be placed on clarifying the performance of experimentally verifiable devices through analysis of experimental and simulation data, and elucidating the design method of implementable physical magnetic spin systems.</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: spintronics, especially experiments and theory about current- and voltage-control of electron spin dybanucs, quantum mechanics, information thermodynamics, unconventional computation. 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)	¥361,600/month 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 or Center for Information and Neural Networks (Iwaoka, Nishi-ku, Kobe-shi, Hyogo or Suita-shi, Osaka)
Working frequency	4days/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.