■ Job Information

Subject No.	2027R-64
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Koganei Frontier Research Center, Quantum ICT Laboratory
Work Contents （Research theme)	Research on quantum communication
Detail of Work Contents	Theoretical research on protocols with functions that are necessary and feasible for quantum information communication. Recently, quantum key distribution has become technically and socially feasible. However, the speed and characteristics of quantum communication such as quantum key distribution differ greatly from those of conventional information communication. Therefore, with a strong awareness of the fact that the networks in which quantum communication exists have different characteristics from conventional ones, we will reconsider the network conditions and required functions, and then construct a theory regarding protocols that can function effectively in such an environment. Therefore, the protocols to be studied are not necessarily those that use quantum communication, but rather those that broaden the scope of the research. The Article 15(2) of the Act on the activation of Science, Technology and Innovation will be applied to this work content.
	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.
Application requirement	Ph.D. degree or equivalent, a track record of research on communication protocols at universities, research institutes, or companies, and a basic knowledge of and interest in quantum information.
Recruiting (Number of people)	1
Contract period	hiring date ～ March 31,2028 N.B. Contract could be renewed.
The employment period in case of fully renewing	Up to 5years if certain conditions are fulfilled
Salary (basic salary)	¥541,000 ～ ¥558,000/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	Headquarters (Koganei-shi, Tokyo)
Working frequency	5days/week（7.5hours/day）

* Scope of change in work and workplace : No changes are expected in general
* The expressions used in "Work Contents (Research theme)" and "Detail of Work Contents" and the names of "Department" and "Work Place" may be subject to change due to organizational restructuring or other reasons.

NICT Fixed Term Positions Job Announcement: https://www.nict.go.jp/en/employment/index-e-top.koubo.html