■ Job Information

Subject No.	2027R-39
Job Title	Fixed Term Researcher
Department	Network Research Institute / Photonic ICT Research Center, Photonic Network Laboratory
Work Contents （Research theme)	Research on High-capacity Optical Fiber Transmission Technologies
Detail of Work Contents	To support the increasing communication traffic, this researcher will conduct research on high-capacity optical fiber transmission technologies that utilize high-speed optical signal transmission methods, spatial-division multiplexing, and multi-band wavelength-division multiplexing, towards various optical networks from short distances to long distances. This researcher will build a large-scale optical transmission system using new optical fibers such as multicore fibers and optical amplifiers in currently unused wavelength bands, and demonstrate large-capacity and long-distance transmission. This researcher will also build a cooperative framework with domestic and international research institutes and companies, and collaborate on technologies through experiments. 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	PhD or equivalent experience in research. Sufficient knowledge of optical fiber, optical communication, optical networks, digital signal processing (DSP) technologies such as DSP for coherent optical transimission. Experience of building optical communication systems and evaluation systems of optical devices. Sufficient ability on data analysis, computer simulations and experiments of optical communication systems using the most advanced optical devices. Abundant experience in presenting at international academic conferences and publishing in academic journals. Experience in launching new research projects, project leadership, and obtaining large-scale competitive research funding will be highly valued.
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)	¥680,000 ～ ¥738,000/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