

■ Job Information

Subject No.	2024R-128
Job Title	Fixed Term Researcher
Department	Network Research Institute / Photonic ICT Research Center, Photonic Network Laboratory
Work Contents (Research theme)	Research on huge-capacity massive-channel optical transmission system technology and related digital signal processing technology
Detail of Work Contents	<p>Development of huge capacity optical transmission technology using massive optical channels in spatial and wavelength domains based on multi-core fiber, multi-mode fiber and multi-band technologies, and also digital signal processing (DSP) technology as a part of optical transmission technology. Computer simulation from device to whole system, system design and experimental demonstration of the huge capacity optical transmission technology.</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>
	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 communication, networks, digital signal processing (DSP) technologies such as DSP for coherent optical transmission. 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. Experience of oral presentation in the international conference.
Recruiting (Number of people)	1
Contract period	hiring date ~ March 31,2025 N.B. Contract could be renewed.
The employment period in case of fully renewing	Up to 5 years if certain conditions are fulfilled
Salary (basic salary)	¥560,000 ~ ¥611,000/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)

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.