

■ Job Information

Subject No.	2024R-18
Job Title	Fixed Term Researcher
Department	Network Research Institute / Photonic ICT Research Center, Optical Access Technology Laboratory
Work Contents (Research theme)	Research and development on ultra high-speed optical to electrical signal conversion and its application for access network
Detail of Work Contents	<p>The researcher in this position will research on ultra high-speed optical to electrical signal conversion devices to realize high capacity access network system. It includes research and development of devices from the viewpoint of material, structure design, fabrication, implementation, and evaluation. In addition, the researcher will be expected to establish elemental technologies to realize over 100 Gbps order access by building a sub-system using developed devices.</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	Ph.D. or equivalent experience in semiconductor materials for high-efficiency optical to electrical signal conversion, high-speed optical to electrical signal conversion, high-frequency semiconductor optical devices, is required. Applicants are highly recommended to have skills in the following fields: (A) management of high-speed optical signals and their instruments. (B) Design and analysis of ultra-high speed and high-frequency photonic devices using computational simulator and implementation technique of ultra-high-speed devices.
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)	¥484,000 ~ ¥516,000/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.