■ Job Information

Subject No.	2020R-28
Job Title	Fixed Term Researcher
Department	Network System Research Institute / Photonic Network System Laboratory
Work Contents (Research theme)	Research and development on optical hardware systems in high-efficiency optical networks
Detail of Work Contents	Toward effective utilization of communication resources of optical networks, we research and develop programmable high-efficiency optical networks using quality monitoring and transparent optical devices. Also, we research and develop a photonic sensing system that performs advanced sensing and information processing at the edge of the network. The Article 15(2) of the Act on the activation of Science and Technology and Innovation will be applied to this work content.
Application requirement	1) PhD or equivalent experience in research. 2) Sufficient knowledge of photonics including optical communication, optical signal processing, optical information processing, fiber sensing. 3) Experience of building subsystems of optical network and evaluation systems of optical devices. 4) Sufficient ability on data analysis and experiments of optical communication systems using the most advanced devices for optical communication. 5) Ability to analyze the system from device level to whole system by both computer simulation and experiment. 6) Experience of oral presentation in the international conference.
Recruiting (Number of people)	1
Period of Employment	hiring date 〜 March 31,2021 N.B. Contract will not be renewed..
Salary (basic salary)	¥467,000 〜 ¥510,000／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.