

■ Job Information

Subject No.	2026R-171
Job Title	Fixed Term Researcher
Department	Testbed Research and Development Promotion Center / Testbed Research and Development Laboratory
Work Contents (Research theme)	Research and Development on the Advancement of Network Testbeds
Detail of Work Contents	NICT conducts research and development on technologies for realizing research and experimentation environments (network testbeds) that enable diverse stakeholders to participate in R&D activities and allow a wide range of users to verify and validate the resulting technologies, thereby promoting innovation in the Beyond 5G/6G era. This research aims to advance the network testbed environment operated by NICT through one of the following research and development topics: 1. Research and development of CPS and digital-twin technologies, including application development environments that facilitate efficient development of Cyber-Physical System (CPS) applications, as well as technologies that enable simulation, prediction, and other functions by virtually reproducing real-world conditions within cyberspace. 2. Research and development of network emulation technologies, including technologies that enable highly reproducible large-scale emulation of information and communication networks for the Beyond 5G era, and technologies that enhance the reliability of cloud-based emulation environments. 3. Research and development of integrated communication and computing technologies, including technologies for constructing shared and collaborative communication-computing evaluation environments based on architectures that support in-network computing, including mobile communications, as well as technologies required to extend testbed capabilities through interconnection with diverse emerging technologies both within and outside NICT. 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	Qualifications - A doctoral degree (including candidates expected to obtain the degree before appointment), or equivalent research experience and achievements. - Demonstrated experience in the design, deployment, and operation of organizational networks and/or large-scale event networks, together with strong technical skills in network construction and operations. A record of research achievements in one or more of the following areas: 1. Design, implementation, and control technologies for network environments, cloud environments, or network testbeds; 2. Large-scale network emulation technologies; 3. Emulation, construction, and control technologies for wireless environments; 4. In-network computing technologies. 5. Digital twin construction and control technologies; Preferred Qualifications 1. Strong interest in the application of AI technologies and a proactive attitude toward leveraging AI in research and development. 2. Experience in developing software utilizing open-source technologies and evaluating its functionality through experiments and validation.
Recruiting (Number of people)	3
Contract period	hiring date ~ March 31,2027 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)	¥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.