

■ Job Information

Subject No.	2024R-47
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Kobe Frontier Research Center, Nano-scale Functional Assembly ICT Laboratory
Work Contents (Research theme)	Study on nano-hybrid devices with novel functions
Detail of Work Contents	<p>Conduct research toward the realization of innovative functions of optical elements by using organic-inorganic nanohybrid technology that combines organic materials having excellent optical functions with fine structures of inorganic optical materials with high refractive index and metals. Also conduct research and development of organic-inorganic hybrid processing technology by making full use of cutting-edge equipment installed in the laboratory, such as electron beam lithography equipment, etching equipment, sputtering equipment, and substrate bonding equipment. By combining materials and technologies with different characteristics on a nanoscale, we will develop new functions and develop 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>
	<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.</p>
Application requirement	<p>Applicants should have enough experiences and knowledge concerning state-of art fine processes to produce high quality thin films and nano-structures by using electron beam lithography, precise etching, sputtering, and so on. Applicants should also have skills to measure the electrical and optical properties of devices, and have experiences setting-up, operation and modifications of experimental facilities.</p>
Recruiting (Number of people)	1
Contract period	<p>hiring date ~ March 31,2025 N.B. Contract could be renewed.</p>
The employment period in case of fully renewing	Up to 5 years if certain conditions are fulfilled
Salary (basic salary)	<p>¥484,000 ~ ¥516,000/month</p> <p>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.</p>
Work Place	Advanced ICT Research Institute (Iwaoka, Nishi-ku, Kobe-shi, Hyogo)
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.