■ Job Information

Subject No.	2027R-84
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Kobe Frontier Research Center, Nano-scale Functional Assembly ICT Laboratory
Work Contents （Research theme)	Research and development of ultra-compact, ultra-high-speed nano-hybrid devices
Detail of Work Contents	Research and development will be conducted to realize high-speed, highly efficient, compact, and integrated information and communication devices by utilizing technologies such as organic-inorganic nanohybrids, which combine organic materials possessing superior optical properties with high-refractive-index inorganic optical materials or metallic microstructures. Research and development on organic-inorganic hybrid process technologies will also be carried out using state-of-the-art equipment installed at the laboratory, including electron-beam lithography systems, etching systems, sputtering systems, and substrate bonding equipment. New functions will be explored and devices developed by combining materials and technologies with distinct characteristics at the nanoscale. 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	Ph.D. in the fields of devices, materials, measurements, etc., or equivalent career is required. Applicants should have 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 design devises and measure the electrical and optical properties of devices, and have experiences setting-up, operation and modifications of experimental facilities. It is desirable to have research experience in organic-inorganic devices, optical devices, or optical modulators,.
Recruiting (Number of people)	1
Contract period	hiring date ～ March 31,2028 N.B. Contract could be renewed.
The employment period in case of fully renewing	Up to 5years if certain conditions are fulfilled
Salary (basic salary)	¥485,000 ～ ¥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	Advanced ICT Research Institute (Iwaoka, Nishi-ku, Kobe-shi, Hyogo)
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.

NICT Fixed Term Positions Job Announcement: https://www.nict.go.jp/en/employment/index-e-top.koubo.html