

■ Job Information

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| Subject No. | 2025R-20 |
| 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 on optical and high-frequency nano-hybrid devices |
| Detail of Work Contents | <p>To realize ultra-high-speed, low-power-consumption optical and wireless communication in Beyond 5G, conduct research and development aimed at manifesting innovative functions of optical devices based on the fusion of photonics technology and microwave / terahertz wave technology by using organic-inorganic nanohybrid technology that combines organic materials such as electro-optic (EO) polymers 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. Develop new functions and devices by combining materials and technologies with different characteristics at a nanoscale.</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>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 devices 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 or optical / high-frequency devices.</p> |
| Recruiting (Number of people) | 1 |
| Contract period | <p>hiring date ~ March 31,2026 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.