

■ Job Information

Subject No.	2024R-111
Job Title	Fixed Term Researcher
Department	Universal Communication Research Institute / Data-driven Intelligent System Research Center
Work Contents (Research theme)	Research and Development on Large Language Models and its Related Technologies
Detail of Work Contents	<p>This research topic aims at researching and developing large language models, high-quality training data for them, and their related technologies, such as a large-scale Web information analysis system WISDOM X (<a href="https://www.wisdom-nict.jp">https://www.wisdom-nict.jp</a>) and multi-modal dialog system MICSUS (<a href="https://www.youtube.com/watch?v=gCUC3f9-Go">https://www.youtube.com/watch?v=gCUC3f9-Go</a>) .</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>The applicants should have the Ph.D in engineering, science, physics or computer science. Although it is preferable that they should have experiences in NLP (natural language processing) and large-scale data analysis, it is not essential. The experiences in research and development of large language models such as BERT and GPT are highly regarded. The experiences in research and development of deep learning models for audio data, visual data, and so on, are highly regarded. The experiences in research and paper presentations on engineering, science, physics, computer science, and other related fields are highly regarded. The experiences in commercializing IT systems are also highly regarded. The applicants should be familiar with programming in Python and so on. It is desired to be familiar with developing neural networks by PyTorch and programming in Java, C, C++, and so on.</p>
Recruiting (Number of people)	5
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>¥638,000 ~ ¥697,000/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	Headquarters or Universal Communication Research Institute (Koganei-shi, Tokyo or Seika-cho, Soraku-gun, Kyoto)
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.