

■ Job Information

Subject No.	2024R-125
Job Title	Fixed Term Researcher
Department	Universal Communication Research Institute / Advanced Speech Translation Research and Development Promotion Center, Advanced Translation Technology Laboratory
Work Contents (Research theme)	Application of LLMs to Machine Translation on Low-Resource Languages
Detail of Work Contents	<p>Large language models (LLMs) such as GPT-4 have achieved remarkable results in many natural language processing tasks. However, LLMs are trained primarily in English, with little data trained on so-called low-resource languages. As a result, for high-resource language pairs such as English-French, LLMs perform as well as conventional MT-dedicated systems but significantly poorly for low-resource language pairs. We will solicit researchers who promote research and development of machine translation with LLMs, especially for low-resource languages. Possible research topics, but not limited to, are: 1) tackling training data scarcity, 2) dealing with non-alphabetic writing systems, and 3) applying LLMs to translation evaluation and post-editing.</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>
	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	Applicants must hold a PhD degree with a dissertation related to machine translation. Applicants must have published research papers on machine translation at international conferences.
Recruiting (Number of people)	1
Contract period	hiring date ~ March 31,2025 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)	¥484,000 ~ ¥516,000/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	Universal Communication Research Institute (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.