

■ Job Information

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| Subject No. | 2024R-29 |
| 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) | Novel representation learning on machine translation |
| Detail of Work Contents | <p>Machine Translation is a critical component in breaking down language barriers and facilitating global communication. However, the enormous demand for memory and computational resources arising from high-dimensional continuous representations hinders its large-scale application. This research aims to develop a novel discrete representation learning method, as opposed to the conventional continuous representation, that can be applied to machine translation to reduce inference delay and improve translation performance. The method also has potential applications in recent retrieval-based methods.</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 | Doctoral degree and it is related with this research theme. Publication records of relevant work with this research theme in international natural language 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) | <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 | 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.