

■ Job Information

Subject No.	2020R-24
Job Title	Fixed Term Researcher
Department	Applied Electromagnetic Research Institute / Space-Time Standards Laboratory
Work Contents (Research theme)	Fabrication and evaluation of wafer-processed gas cell for miniaturized atomic clocks
Detail of Work Contents	<p>It is required to develop and evaluate the micro gas cell that is the core component of an miniaturized atomic clock we are developing. The component has a configuration in which the gas of alkali metal atoms are filled in a sealing structure fabricated by MEMS process. In this research, the such micro component are manufactured by yourself, and the light absorption characteristic and the atomic clock operation should be evaluated by using the microwave atomic clock test bench owned by NICT.</p> <p>The Article 15(2) of the Act on the activation of Science and Technology and Innovation will be applied to this work content.</p>
Application requirement	Research record in graduate school of science or technology. Holding a Ph. D is expected. Applicants are expected to have an experience in MEMS process engineering, Analytical chemistry, or Packaging technology.
Recruiting (Number of people)	1
Period of Employment	hiring date ~ March 31,2021 N.B. Contract will not be renewed..
Salary (basic salary)	¥467,000 ~ ¥510,000/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	Headquarters (Koganei-shi, Tokyo)
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.