■ Job Information

Subject No.	2027R-30
Job Title	Fixed Term Researcher
Department	Beyond Connectivity Research and Development Promotion Unit / Terahertz Technology Research Center, Terahertz Remote Sensing Laboratory
Work Contents （Research theme）	Development of laboratory measurement database for THz passive remote-sensing of surface bodies.
Detail of Work Contents	Leading the construction of a laboratory database of physical properties for the extraction of quantitative values regarding surface environmental information from passive measurements in the terahertz wave band, e.g. on the lunar surface in the future. An experimental system will be constructed and measurements made to understand the characteristics of radiation temperature under various surface conditions in passive measurements of horizontal and vertical polarisation. The database will build information that will contribute to the construction of a large database for lunar surface undulations, temperature environment and composition. The Article 15(2) of the Act on the activation of Science, Technology and Innovation will be applied to this work content.
	In accordance with the policy of the Japanese government decided on February 12, 2020 (https://www8.cao.go.jp/cstp/compefund/jisshishishin.pdf), 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 if conditions of employees meet the requirements of the policy.
Application requirement	Sufficient experience in handling radiofrequency equipment in the 280 GHz and 490 GHz bands or relative frequency bands. Experience in the construction of experimental systems with vacuum and heating/cooling mechanisms are needed. A deep understanding of phenomena related to electromagnetic waves, such as the terahertz wave band, is desirable.
Recruiting (Number of people)	1
Contract period	hiring date ～ March 31,2028 N.B. Contract could be renewed.
The employment period in case of fully renewing	Up to March 31,2029 if certain conditions are fulfilled
Salary (basic salary)	¥541,000 ～ ¥558,000/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）

* Scope of change in work and workplace : No changes are expected in general
* The expressions used in "Work Contents (Research theme)" and "Detail of Work Contents" and the names of "Department" and "Work Place" may be subject to change due to organizational restructuring or other reasons.

NICT Fixed Term Positions Job Announcement: https://www.nict.go.jp/en/employment/index-e-top.koubo.html