## ■ Job Information

Department  Beyond 5G Research and Development Promotion Unit / Terahertz Technology Research Center, Terahertz Laboratory  Beyond 5G Research and Development Promotion Unit / Terahertz Technology Research Center, Terahertz Laboratory  Beyond 5G Research Center, Terahertz Laboratory  Development of laboratory measurement database for THz passive remotes ensing of surface bodies.  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://www.sc.go.py/cstypcomported/itsabins.hin, pdf), employees to be lived through this recreitment may apply for external competitive research fundings such as Grant in Aid for Scientific Research (RekENII) and NICT's internal research fundings if conditions of employees meet the requirements of the policy.  Sufficient experience in handling radiofrequency equipment in the 280 CHz and 490 CHz 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.  Contract period  In accordance with the golder and to a provide a provide and to a provide a provision of the government employees' wages, it sha	■ Job Information	
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Development of laboratory measurement database for THz passive remote sensing of surface bodies.	Job Title	Fixed Term Researcher
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	Work Place	
	Working frequency	

<sup>\*</sup>Department name and work place including work contents (research theme) and detail of work contents might change according to organizational change, etc.

<sup>\*</sup>Scope of change in work and workplace: No changes are expected in general.