## ■ Job Information

Department  Beyond 5G Research and Development Promotion Unit / Terahertz Technology Research Center, Terahertz Laboratory  Work Contents (Research theme)  Development of a radiative transfer model for Terahertz surface roughness effects  This posistion is expected to lead and develop a radiative transfer model in the terahertz wave band. In particular, it is needed to conduct quantitative, investigations of the effects of surface undulations, grain size distribution, etc. on the radiation intensity and polarisation characteristics. Based on previous observations and experimental findings, a theoretical model should be constructed and validated. In addition, it is needed to conduct the quantitative analysis of physical quantities by collecting new observations and other data.  The Article 15(2) of the Act on the activation of Science, Technology and Innovation will be applied to this work content decided on February 12, 2000 (https://www.con.go.lp/cstp/compfund/jisshishishin.pdf), embloyees to be nired through this recruitement any apply for external competitive research fundings such as Grant-In-add for Science growment decided on February 12, 2000 (https://www.con.go.lp/cstp/compfund/jisshishishin.pdf), embloyees to be nired through this recruitement any apply for external competitive research fundings if conditions of employees seet the requirements of the policy.  Application requirement  Experience in the research of surface roughness effects on solid surfaces of electromagnetic wave observation data is desirable mathematical computing skills in Python or other programming languages, with research skills conducive to contributions to scientific papers, etc.  Experience in the research of surface roughness effects on solid surfaces of electromagnetic wave observation data is desirable mathematical computing skills in Python or other programming languages, with research skills conducive to contributions to scientific papers, etc.  The employment period in case of fully renewing  The employment period in case	■ Job Information	
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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 completitive research fundings such as Grant-in-Aid for Scientific Research (GARENII) and NICT's internal research fundings if conditions of employees meet the requirements of the policy.  Experience in the research of surface roughness effects on solid surfaces of electromagnetic wave observation data is desirable; mathematical computing skills in Python or other programming languages, with research skills conducive to contributions to scientific papers, etc.  Recruiting (Number of people)  1  Contract period  The employment period in case of fully renewing  Salary (basic salary)  Warch 31, 2029 if certain conditions are fulfilled  4419, 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 (Koganeirshi, Tokyo)  Working frequency  Sdays/week (7.5hours/day)	Detail of Work Contents	the terahertz wave band. In particular, it is needed to conduct quantitative investigations of the effects of surface undulations, grain size distribution, etc. on the radiation intensity and polarisation characteristics. Based on previous observations and experimental findings, a theoretical model should be constructed and validated. In addition, it is needed to conduct the quantitative analysis of physical quantities by collecting new
2020 (https://www8.cao.go.jp/cstp/compefund/jisshishish.pdf), employees to be hired through this recruitment may apply for external competitive research fundings such as Grant-in-Aid for Scientific Research (KARCHI) and NICT's internal research fundings if conditions of employees meet the requirements of the policy.    Application requirement		
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Contract period hiring date ~ March 31,2026 N.B. Contract could be renewed.  The employment period in case of fully renewing  Water and the 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)	Application requirement	electromagnetic wave observation data is desirable; mathematical computing skills in Python or other programming languages, with research
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<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.