

■ Job Information

Subject No.	2024R-40
Job Title	Short-Term Researcher
Department	Advanced ICT Research Institute / Koganei Frontier Research Center, Terahertz ICT Device Laboratory
Work Contents (Research theme)	R&D of terahertz-wave power amplifier device and integrated circuit technology
Detail of Work Contents	<p>The research and development of the basic technology related to the power amplifier device and integrated circuit for terahertz-wave wireless and sensing technologies is carried out. Examples include the following, but specific topics will be determined according to the professional and experience of the researcher. 1) development of fabrication process for power amplifier devices and integrated circuits using semiconductor materials (e.g. InGaAs, InP, and GaN), 2) development of characterization technology of power amplifier device and integrated circuit in terahertz-wave band.</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	Ph.D degree in science and/or engineering (candidates who are about to earn their degree are welcome to apply). Experience and knowledge on power amplifier devices and integrated circuits, compound semiconductor devices and Si-CMOS, active/passive devices, and their nanoscale-device fabrication process technologies. High motivation and dedication for scientific work. Ability to work creatively in a multidisciplinary team.
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>¥30, 530/day</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	Headquarters (Koganei-shi, Tokyo)
Working frequency	3days/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.

Scope of change in work and workplace : No changes are expected in general.