### Job Information

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<thead>
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<th>Subject No.</th>
<th>2023R-67</th>
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<tr>
<td>Job Title</td>
<td>Fixed Term Researcher</td>
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<tr>
<td>Department</td>
<td>Radio Research Institute / Radio Propagation Research Center, Remote Sensing Laboratory</td>
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<tr>
<td>Work Contents (Research theme)</td>
<td>Research and development on optical quantum remote sensing</td>
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**Detail of Work Contents**

As part of the NICT's remote sensing research and development project, this position is engaged in fundamental research on quantum entangled light source and/or photon detector in infrared region in order to realize optical quantum remote sensing technology that detects physical quantities related to the atmosphere with high sensitivity and high S/N under various environmental conditions. 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.

The Article 15(2) of the Act on the activation of Science, Technology and Innovation will be applied to this work content.

**Application requirement**

1. Ph.D holder or the equivalent (soon-to-be a doctor can also apply).
2. The position requires basic knowledge and R&D experience on optical quantum sensing. In particular, the R&D experience on quantum entangled light source and/or photon detector in infrared region is desired.
3. Applicant must be able to proceed with research while maintaining smooth communication and collaboration with researchers inside/outside our laboratory.

**Recruiting (Number of people)**

1

**Contract period**

hiring date ～ March 31, 2024

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)**

¥471,000 ～ ¥509,000/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**

5 days/week (7.5 hours/day)

Department name and work place including work contents (research theme) and detail of work contents might change according to organizational change, etc.