Za studente doktorskih studija - Nippon Telegraph and Telephone Corporation (NTT) je najveća japanska kompanija za telekomunikacije sa sedištem u Tokiju. Potrebni su im studenti doktorskih studija koji su zainteresovani da rade na poziciji researcher.
U nastavku je link sa detaljnijim informacijama o kompaniji i rokovima

https://job.connectiu.com/job-detail/5724?&status=promotion

About Nippon Telegraph and Telephone Corporation

Nippon Telegraph and Telephone Corporation (NTT) is a telecommunications company headquartered in Tokyo, Japan.
Our R&D activities are based on the philosophy of creating world-leading technologies and contributing to the development of society, industry, and academia.
NTT Group creates competitive technologies and creates new values through open innovation and collaboration with a wide range of companies, universities, and research institutions.
We are engaged in research and development in a wide range of technological fields, including innovative communication services realized over networks, next-generation information network infrastructure technologies that enable new services, and advanced basic research that creates new principles and components, including world-class optical technologies.
This year, research positions are available in the following laboratories of our R&D division.

Job Openings

Position / Researcher (employee or post doctoral fellow)
■Job Description
[Social Informatics Laboratories]
Social Informatics Laboratories carry out wide-ranging research on social values, information utilization, cybersecurity, privacy, ethics, laws and regulations, and beyond, to further the transformation and development of social systems and human societies through ICT.
Research topics for available positions include cryptography research (symmetric key, public key, attribute-based encryption, post quantum cryptography, cryptanalysis, side-channel attack) and cryptographic implementation (software/hardware).
https://www.rd.ntt/e/sil/

[Computer and Data Science Laboratories]
Computer and Data Science Laboratories are engaged in research in innovative computer science and data science that enables the processing of data that has been difficult to handle in terms of size and complexity and creates useful value for people and society.
Research topics for available positions include topics on quantum computing such as fault-tolerant quantum computing, hybrid quantum-classical computing, and quantum error mitigation.
https://www.rd.ntt/e/cds/

[Network Service System Laboratories]
Network Service System Laboratories focus on researches in the fields of network architecture, optical networking technologies and AI application for networks.
Research topics for available positions include all-photonics network (APN), Ultra-high-precision clock (frequency/time) networking, network controler, machine learning for network, network operation, QoE assesment and QoE subjective evaluation.
https://www.rd.ntt/e/ns/

[Access Network Service Systems Laboratories]
Access Network Service Systems Laboratories focus on core technologies for 6G cellular systems, private 5G/6G, next-generation wireless LANs, and wireless access for IoTs to realize end-to-end manageable network services in Innovative Optical and Wireless Network (IOWN).
Research topics for available positions include radio wave propagation modeling for sub-THz, wireless quality prediction, Reconfigurable Intelligent Surface (RIS), distributed MIMO, satellite communication, analog Radio-over-Fiber (RoF), wireless sensing, wireless signal processing, and optimization algorithms for wireless resource allocation.
https://www.rd.ntt/e/as/

[Space Environment and Energy Laboratories]
Space Environment and Energy Laboratories are working on creating next-generation energy technologies such as nuclear fusion and space solar power, and technologies that enable resilient environmental adaptation.
Research topics for available positions include fusion optimal control technology, space solar technology, next-generation energy supply technologies, CO2 conversion technology, ESG management science and technology, global environmental future prediction technology, and proactive environmental adaptation technology.
https://www.rd.ntt/e/se/

[Network Innovation Laboratories]
Network Innovation Laboratories focus on research fields of broadband infrastructure and optical transmission.
Research topics for available positions include
(1) high-capacity, ultra-high-speed networks, and photonic networks (digital coherent transmission system, automatic optical path provisioning, data center interconnect networking), and
(2) 6G, optical-wireless fusion technologies, and electromagnetic information theory.
https://www.rd.ntt/e/mirai/

[Device Technology Laboratories]
Device Technology Laboratories are engaged in research and development on device technology that will create new developments and major impacts on businesses and society.
Research topics for available positions include
(1) biosensing technology, disposable devices through material synthesis technology, artificial photosynthesis technology, and visualization of infrastructure status,
(2) advanced hardware (devices, circuits, implementations, system architectures) that combines electronics and photonics technologies, and
(3) optical and electronic devices utilizing silica-based planar lightwave circuit technology, compound semiconductor optical and electronic device technology, silicon photonics technology, and nonlinear optical device technology.
https://www.rd.ntt/e/dtl/

[Communication Science Laboratories]
Communication Science Laboratories focus on basic research with the mission of developing fundamental theories on the essence of human beings and information and creating innovative technologies that will bring about "heart-touching communication" between human and human and between human and computer.
Research topics for available positions include
(1) the development of situation recognition based on crossmodal information processing that spans multiple media and advanced and natural media expression that appeals to the human senses (Media);
(2) the emergence of wide-ranging intelligent processing that connects a large amount of linguistic information overflowing in the world with ever-changing real-world information (Intelligence); (3) and the elucidation of information mechanisms of the human brain and body related to the five senses, movements, emotions, as well as the provision of innovative and natural perceptual experiences (Human and Brain).
https://www.rd.ntt/e/cs/

[Basic Research Laboratories]
The missions of Basic Research Laboratories are the promotion of advances in science as well as the contribution to the NTT's business.
To achieve these missions, we conduct fundamental research in the fields of Materials Science, Physical Science and Optical Science.
Research topics for available positions include the following.
-Material science (synthesis and analyze) for superconductor, low dimensional materials (graphene and TMDC), nitrides, diamond, oxides, nanowires, and biological devices
-Electronics and Phononics for single electron transistor, micro-mechanical oscillators
-Photonics for photonic crystals, waveguides, optical resonators, nanolasers
-Spintronics in semicondutors with ultrafast control
-Topological physics in semiconductors and superconductors
-Supercondcutor qubit for its sensing application and computation
-Quantum optics for quantum telecommunication and quantum information processing
-Theoretical studies for quantum physics
https://www.rd.ntt/e/brl/

*After applying, we will send you a questionnaire asking which lab you would like to apply for.
*Requirements for the application vary by the positions. Please kindly check the requirements listed below.

■Career Path
Employees would work as researchers and typically develop their careers as professionals of specific fields.
Positions for post doctoral fellows are tenable for one year and are renewable every year until the limit of three years. Some post doctoral fellows are hired as employees.

■Salary
1.Employee
Monthly：**more than 270,000 yen**
Yearly：**more than 3,240,000 yen**
Bonus：**Bonus will be paid twice a year (June and December)**
Total：**4,900,000-5,900,000 yen**

2. Post doctoral
Monthly：**470,000 yen or more**
Yearly：**5,640,000 yen or more**
Bonus:：**None**

※Over time fees (Overtime Allowance, Midnight Allowance, Holiday *Sunday Allowance) will be paid
※Salary increase and promotions are based on skills and outcomes.

■Entry date
Joined the company in October 2024/ 2025 (timing negotiable)

■Employment
Employee or Post doctoral

■Work Location
Kyoto, Kanagawa, Tokyo, Ibaraki, JAPAN