

November 14,2024

**Recruitment of the faculty position in the Faculty of Information Science and
Technology, Hokkaido University**

We invite applications for the faculty position in the Faculty of Information Science and Technology, Hokkaido University as follows.

1. Position

Professor

2. Department

(Immediately after hiring) Faculty of Information Science and Technology, Division of Electronics for Informatics, Research Group of Advanced Electronics, Laboratory of Optical Processing and Networking

(Scope of change) Location as determined by the University.

3. Research Fields and Duties

(Immediately after hiring) Research field of innovative electronics to contribute the advancement of information/digital/quantum science and technologies towards next generation information society. In particular, one will be in charge of practical research and education related to the integration of the following multidisciplinary fields; (1) research area to explore optical quantum communication and optical quantum computing, and their interdisciplinary area, (2) development and sophistication of measurement/control/processing of various information utilizing quantum science and technology.

(Scope of change) Duties as determined by the University.

4. Works in Charge

In Division of Electronics for Informatics, Graduate School of Information Science and Technology, (1) co-handling the following subjects: “Advanced Optoelectronics”, “Advanced Exercise in Electronics for Informatics”, and “Advanced Study in Electronics for Informatics”. In Course of Electrical and Electronic Engineering, Department of Electronics and Information Engineering, School of Engineering, (2) handling inter course subjects and special subjects, as with (3) extra subjects in the graduate school, inter-department subjects, and inter-school subjects. In addition to education and research, (4)

university's operations management will partly be assigned.

5. Qualifications

- (1) Ph.D. degree at the time of appointment
- (2) Ability to handle university's operations management and student supervision smoothly
- (3) Strong motivation for joint research and interaction with foreign researchers
- (4) Ability of communication and writing in English for high-level education and research

6. Desired Start Date

July 1, 2025 or later

7. Employment status

Full-time (Tenured)

8. Probation Period

The probation period is three months.

9. Salary

The salary will be determined in accordance with the regulations of Hokkaido University.

10. Working Form

Discretionary labor system for professional work based on the employee's agreement (*) or Fixed working hours system.

*The working hours for a day is deemed as 7 hours and 45 minutes.

11. Health Insurance

The Ministry of Education, Culture, Sports, Science and Technology Mutual Aid Association, Employees' Pension, Workers' Accident Compensation Insurance and Employment Insurance

12. Name of Recruiting Institution

Hokkaido University

13. Measures to Prevent Second-hand Smoke

No smoking on campus except for the designated outside smoking areas

14. Application Materials

(1) Curriculum Vitae

*Free format with an attached photo taken within six months, date and year of birth, academic history, degree, qualifications, record of awards, employment history, research history, teaching experience, affiliated academic society, activities in academic society, ORCID (if possible).

(2) List of publications

*Publications should be classified in the following order: peer-reviewed academic papers, invited talks, conference papers, books, review/survey articles, patents, awards.

*For each peer-reviewed academic paper, its impact factor and citation counts should be indicated.

(3) List of research grants subsidized as a principal investigator (name of research grant, project title, terms, and budgets)

(4) Copies of five major peer-reviewed academic papers published in the last five years, and copy(ies) of review/survey articles.

(5) Summary of past and current researches (about 1,000 words). International joint research activities should be described if they exist.

(6) Statement of education and research goals upon appointment (about 500 words for each)

(7) A list of two references (including the names, phone numbers and e-mail addresses)

*Printed documents of (1)-(7) above and their electronic files (source files or scanned files) stored in CD, DVD or USB memory must be submitted upon application.

15. Selection

Applicants who passed the first document-based screening will be interviewed.

16. Application Deadline

Monday, February 10, 2025 (JST)

*The deadline must be strictly observed.

17. Application

(1) Application materials must be submitted by registered mail with “Application for the faculty position in the Faculty of Information Science and Technology, Division of Electronics for Informatics, Research Group of Advanced Electronics 06-113” in red ink on the surface of the envelope.

Administrative Affairs, Faculty of Information Science and Technology, Hokkaido University

Kita 14 Nishi 9, Kita-ku, Sapporo Hokkaido 060-0814 Japan

(2) Via upload link of JREC-IN Portal(<https://jrecin.jst.go.jp/seek/SeekTop>). A set of application materials in pdf format has to be uploaded.

*The documents once submitted will not be returned. Personal information will be exclusively used for the screening Administrative Affairs, Faculty of Information Science and Technology, Hokkaido University

18. Inquiries

Prof. Junichi Motohisa,

Faculty of Information Science and Technology, Hokkaido University

Kita 14 Nishi 9, Kita-ku, Sapporo Hokkaido 060-0814 Japan

Phone: +81-11-706-6508

E-mail: motohisa@ist.hokudai.ac.jp

19. Others

Upon the interview, transportation and related expenses will not be paid.

At Hokkaido University, we are actively promoting both education and research activities while relying on diverse human resources and gender equality. Therefore, we explicitly invite women qualified in research field to apply. We are also actively supporting a satisfying work-life-balance and are thus creating ideal environments for people to reach their full potentials.