

January 10,2023

**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 or Associate Professor (tenured)

2. Department

Faculty of Information Science and Technology, Division of Electronics for Informatics, Research Group of Integrated Systems, Laboratory of Advanced LSI Engineering

3. Research Field

Research field of innovative information processing architecture based on digital and analog integrated circuit technology, covering a wide range of hardware, middleware, and software layers and targeting important areas for future social applications. In particular, one will be in charge of practical research and education related to the fusion of the following multidisciplinary fields;

(1) Integrated architecture of artificial intelligence and neuromorphic systems

(2) Memory systems and their application technologies (CIM and its integrated system architecture, etc.)

(3) FPGA architecture (non-volatile, novel applications, etc.)

(4) Next-generation security technologies and their integrated architectures

4. Works in Charge

In Division of Electronics for Informatics, Graduate School of Information Science and Technology, (1) co-handling the following subjects: “Integrated Systems”, “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 research and education, (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

October 1, 2023

7. Probation Period

The probation period is three months.

8. Salary

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

9. Working Form

Discretionary labor system for professional work

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

10. Health Insurance

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

11. Name of Recruiting Institution

Hokkaido University

12. Measures to Prevent Second-hand Smoke

Smoking in designated areas only

13. 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).

\*Applicant who has been employed by Hokkaido University from April 1, 2013 (any position, including Part-time Lecture, TA, TF, RA and Short-term Support Assistant, etc.) should provide full details of your employment history.

(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) Clearly state the application category of Professor or Associate Professor. (In principle, selection will be made according to the application category indicated by the applicant. In addition, selection for either Professor or Associate Professor will be made on an equal basis, and no preference will be given to applicants based on their application category.)

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

(8) 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.

#### 14. Selection

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

#### 15. Application Deadline

Monday, May 1, 2023 (JST)

\*The deadline must be strictly observed.

#### 16. Application

Administrative Affairs, Faculty of Information Science and Technology, Hokkaido

University

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

\*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 Integrated Systems 04-105” in red ink on the surface of the envelop.

The documents once submitted will not be returned. Personal information will be exclusively used for the screening

#### 17. Inquiries

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#### 18. 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.