

22 April, 2024

## Recruitment of Associate Professor in the Faculty of Information Science and Technology, Hokkaido University (Electric Energy Conversion Laboratory)

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

### 1. Position

Associate Professor (tenured)

### 2. Name of Recruiting Institution

Hokkaido University

### 3. Department

(Immediately after hiring) Research Group of System Synthesis, Division of Systems Science and Informatics, Faculty of Information Science and Technology

(Scope of change) Location as determined by the University

### 4. Research Fields and Responsibilities

(Immediately after hiring) Electric energy/magnetic energy engineering, such as (1) electric machinery, power electronics, and industrial applications, (2) design and development of electric machinery with electromagnetic analysis, and applied electromagnetics, and (3) contactless power transfer, semiconductor device application, new energy application, and other energy generation/application fields.

(Scope of change) Duties as determined by the University

### 5. Teaching Responsibilities

The successful applicant will be requested to teach some subjects such as:

Advanced Exercise in System Science and Informatics I and II, Advanced Study in System Science and Informatics, Electric Energy Conversion, and others at the Graduate School of Information Science and Technology,

Electric Machinery, Power Electronics, Applied Electromagnetism, Optimization Theory, Computational Intelligence, System, Control and Electrical Engineering Laboratory I and II, Exercise in System, Control and Electrical Engineering I and II, and others at the Faculty of Engineering,

and some subjects in the liberal arts course.

### 6. Qualifications for application

(1) PhD at the time of appointment,

(2) Ability to give some lectures listed above in Japanese and in English,

(3) Outstanding achievements and publications in the research fields listed above, and

(4) Strong motivation for education, research, and other duties related to the management of the Faculty of Information Science and Technology.

### 7. Desired Start Date

December 1st, 2024

## 8. Application Materials

### (1) Curriculum Vitae

\*Free format with an attached photo taken within six months, birthdate, current position, academic history, degree, qualifications, record of awards, and employment history.

\*Applicant who has been employed by Hokkaido University from April 1st, 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 academic accomplishments (peer-reviewed journal papers, peer-reviewed international conference papers, other papers, book chapters, tutorial papers, invited talks, patents (publications and establishments), awards, activities at academic societies, research projects, and society contributions). Give additional statements of the JCR impact factor and the number of citations to each journal paper, if possible.

(3) A copy of five major publications

(4) Summary of past and current research (about 1,000 words in English or 2,000 characters in Japanese)

(5) Statement of research and education goals upon appointment (about 1,000 words in English or 2,000 characters in Japanese)

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

## 9. Application Deadline

Applications should be received by May 31st, 2024 (JST).

## 10. Salary

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

## 11. Probation Period

The probation period is three months.

## 12. Working Form

Discretionary labor system for professional work based on consent (the working hours for a day is deemed as 7 hours and 45 minutes) or fixed work system

## 13. Health Insurance

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

## 14. Measures to Prevent Second-hand Smoke

Smoking in designated areas only.

## 15. Submission Method

Applications should be sent using either of the following:

(1) Via registered mail to the postal address indicated below. Please indicate "Application for Associate Professor in the Division of Systems Science and Informatics, Faculty of Information Science and Technology, No. 05-107" in red ink on the surface of the envelop. A set of the printed materials and a USB memory in which the materials are stored have to be included.

**【Postal address for document submission】**

Administrative Affairs, Graduate School of Information Science and Technology, Hokkaido University

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

Phone: +81 11 706 6945

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

(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 submitted documents will not be returned to the applicant. Applications will be used for purposes other than this job posting.

## 16. Inquiries

Prof. Takayuki Tanaka, Head of Division of Systems Science and Informatics

Faculty of Information Science and Technology, Hokkaido University

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E-mail: [ttanaka@ssi.ist.hokudai.ac.jp](mailto:ttanaka@ssi.ist.hokudai.ac.jp)

\* Oral interview will be conducted for the finalists, however the travel expense for the interview will not be provided. The interview will be conducted online if the finalist resides outside of Japan.

\* 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.