

Position for Associate Professor in the Laboratory of Mathematical Science for Computing
Faculty of Information Science and Technology (re-recruitment), Hokkaido University

Sep. 2nd, 2025

We are inviting applications for the position of Associate Professor in the Laboratory of Mathematical Science for Computing, Research Group of Mathematical Science, Division of Computer Science and Information Technology, Faculty of Information Science and Technology, Hokkaido University.

Name of Recruiting Institution: Hokkaido University

Title of position: Associate Professor

Affiliation: (Immediately after hiring) Laboratory of Mathematical Science for Computing , Research Group of Mathematical Science, Division of Computer Science and Information Technology, Faculty of Information Science and Technology, Hokkaido University.
(Scope of change) Location as determined by the University.

Duties in education and fields:

(Immediately after hiring) Lectures, seminars, experiments, and exercise courses related to computer science and information technology. (See Appendix for more details.)
(Scope of change) Duties as determined by the University.

Qualifications:

- (1) Applicant should have a doctoral degree or Ph.D.
- (2) Applicant should have the ability to provide instruction in subjects described in “Duties in education” both in Japanese and English.
- (3) Applicant should have the ability to undertake administrative tasks for the faculty, graduate school, and undergraduate school in Japanese.

Application materials:

- (1) CV with recent photo, contact details (address, phone, and e-mail), academic record, job experience, and international society activity;

Remark:

- Applicants who have been employed by Hokkaido University from April 1, 2013 (any position, including Part-Time Lecturer, TA, TF, RA, Short-term Support Assistant, etc.) should provide full details of your employment history.

- (2) List of academic accomplishments

Please make a list in reverse chronological order

1. Reviewed journal papers (e.g., Papers published in academic journals)
2. Reviewed conference papers (e.g., Papers in the proceedings)
3. Survey articles
4. Book (including coauthored ones)
5. Keynote/invited talks
6. Other papers/presentations
7. Patents
8. Awards
9. Grants (Please add information on whether the applicant is the principal investigator of the grant or not)
10. Other accomplishments (e.g., Joint research with a private company or public organization, free software)

Remarks:

- For papers, please underline the applicant's name. Additionally, if there is a corresponding author (responsible author), place a circle or bullet before their name.

- For papers, it is permissible to include impact factor (IF) and/or the number of citations, if needed.
 - For patents and similar contributions, please underline the applicant's name, and for key contributors, place a circle or bullet before their name.
- (3) 5 selected publications and their abstracts within 100 words (in English or Japanese).
 - (4) Summary of the applicant's research history and achievements within 1 page (in English or Japanese).
 - (5) Summary of the applicant's teaching history and future plan for education within 1 page (in English or Japanese).
 - (6) Summary of the applicant's future research plan within 1 page (in English or Japanese).
 - (7) The names of two references for the applicant, with their name, institution, position, and e-mail address.

Remark:

- Please note that an interview may be conducted if necessary. In that event, the applicant is responsible for any travel expenses.

Deadline for application: **Nov. 4th, 2025, 24:00 (JST)**

Scheduled starting date of employment: April 1st, 2026, or later

How to submit the above application documents (WEB Application Only):

Please submit the application documents by making a single ZIP file and uploading through the JREC-IN portal.

The ZIP file should contain PDF files of (1) – (7) and be named “Your Name.zip”.

Contact person:

Prof. Atsuyoshi Nakamura, PhD

Chair of Division of Computer Science and Information Technology

E-mail: csit-kobo-2025@elms.hokudai.ac.jp

Employment status:

Full-time (Tenured)

Compensation:

- (1) Probation Period:
3 months.
- (2) Working hours, etc.:
Monday to Friday
Discretionary labor system* for professional work based on the employee's agreement or
Fixed working hours system
* The working hours for a day are deemed as 7 hours and 45 minutes.
- (3) Salary:
National University Corporation Hokkaido University Salary Regulations for Faculty
Subject To Annual Salary System
- (4) Health insurance, etc.
 - Employee pension insurance
 - Mutual Association of the Ministry of Education, Culture, Sports, Science and Technology
 - Employment Insurance
 - Workers' accident compensation insurance
- (5) Measures to Prevent Second-hand Smoke
Smoking in designated areas only

Appendix

1. The Laboratory of Mathematical Science for Computing has a basic approach to clarifying the structure, mechanism, properties, and limitations of various scientific topics by analyzing and modeling them using mathematical science. We aim to contribute to society by providing theories, technologies, and methodologies with solid mathematical backgrounds for various issues in the fields of engineering and information science, including machine learning theory and signal processing.
2. We invite applicants who will be affiliated with the laboratory, collaborate with other faculty members, and take responsibility for research and education in the research group of mathematical science. Applicants will be expected to investigate research in the aforementioned areas deeply. Therefore, applicants are expected to have research achievements in at least one of the main or related keywords and be motivated to apply their expertise in one area to the other.

Main Keywords: signal processing (for image, audio, signal on graphs and so on), machine learning, optimization, functional analyses

Related Keywords: linear algebra, mathematical statistics, graph theory, manifold theory, other mathematical science domains

3. The successful applicant will partly or fully give some of the lectures listed below, for which the Laboratory of Mathematical Science for Computing is responsible.
 - (1) Subjects in the Graduate School of Information Science and Technology:
Laboratory seminar, and others
 - (2) Subjects in the School of Engineering:
Media Technology and its Exercise, Experiments and Exercise in Computer Science and Information Technology, Exercise in Technical English, Applied Mathematics, Information Mathematics, and others.
 - (3) Subjects in general education: Freshman Seminar, Statistics, and others.
4. 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 the 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 potential.
5. Please refer to the following URL for the current members of this division:
https://www.ist.hokudai.ac.jp/eng/staff/index_faculty_division.html