

Position for Associate Professor in the Laboratory for Algorithmics,
Faculty of Information Science and Technology, Hokkaido University y

November 26th, 2021

We are inviting applications for the position of Associate Professor in the Laboratory for Algorithmics, Research Group of Knowledge Software 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:

Laboratory for Algorithmics, Research Group of Knowledge Software Science, Division of Computer Science and Information Technology, Faculty of Information Science and Technology, Hokkaido University (see Attachment).

Duties in education:

Lectures, seminar, experiments, and exercise courses related to computer science and information technology at Graduate School of information Science and Technology, Hokkaido University (see Appendix 1).

Qualifications:

- (1) Applicant should have a doctoral degree or Ph.D.
- (2) Applicants should possess an advanced knowledge of theory and practical aspects of algorithms for machine learning and data mining with remarkable research accomplishments and achievements (see Appendix 2).
- (3) Applicant should have the ability to provide instruction in subjects described in “Duties in education” both in Japanese and English.
- (4) Applicant should have the ability to undertake administrative tasks of the faculty, graduate school and undergraduate school in Japanese.

Application materials:

Please submit following materials in paper format (original) and PDF format (scanned or direct output) stored in DVD or USB memory.

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

Remark:

- 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 academic accomplishments

Please make a list in reverse chronological order

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

Remarks:

- Please mark applicant in the list with a single underline
- Please indicate the impact factor (IF) and/or the number of citations for each reviewed publication (reviewed journal article / reviewed conference paper), if available.

- (3) Copies of 5 selected publications and their abstracts for each publication within 100 words (in English).
- (4) Summary of the past academic and research activities within 500 words (in English). Please mention the role of your major research projects activities including international collaboration, joint research with industry and academic project such as Kakenhi.
- (5) Future teaching plan within 500 words (in English). If he/she has experience in academic education, please mention such activities in the plan.
- (6) Future research plan within 500 words (in English).
- (7) The names of two references for the applicant, showing his/her name, institution, position, telephone number, 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.
- The documents once submitted will not be returned. Personal information will be exclusively used for the screening
- 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.

Deadline for application: March 11th, 2022

Scheduled starting date of employment: October 1st, 2022 or later

Destination of the documents:

Administrative Affairs, Graduate School of Information Science and Technology,
Hokkaido University, Kita 14 Nishi 9, Kita-ku, Sapporo 060-0814, Japan

*Application materials must be submitted by registered mail with “Application for Associate Professor of Laboratory for Algorithmics in the Faculty of Information Science and Technology No.03-113” in red ink on the surface of the envelop.

Contact person:

Prof. Mineichi Kudo
Graduate School of Information Science and Technology, Hokkaido University,
Kita 14 Nishi 9, Kita-ku, Sapporo 060-0814, Japan
E-mail: csit-kobo@ist.hokudai.ac.jp

Employment status:

Full-time (Tenured)

Compensation:

- (1) Probation Period:
3 months.

- (2) Working hours, etc.:
- Monday to Friday • Discretionary work system
- * The working hours for a day is deemed as 7 hours and 45 minutes.
- (3) Salary:
- The salary will be determined in accordance with the regulations of Hokkaido University
- (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 successful applicant will partly or fully give the lectures listed below, for which the Laboratory for Algorithmics is responsible.
 - (1) Subjects in the Graduate School of Information Science and Technology (see Attachment): Theory and Practice of Algorithms, Laboratory seminar, and others
 - (2) Subjects in the School of Engineering: Information theory, Data mining and machine learning, Theory of computation, Experiment in computer science and information technology I, II, Exercise in Technical English, and others.
 - (3) Subjects in the general education: The World of Science and Technology, Freshman Seminar, and others.
2. The Laboratory for Algorithmics studies theoretical and practical aspects of algorithms for machine learning and data mining. Working through the research, they conduct research and education on their methods to analyze and solve real-world problems in science, industry, and societies using discrete or continuous mathematics.
3. Applicants also should have high motivation for education of graduate and undergraduate students and the ability to participate guidance for research and thesis. We invite applicants who will conduct research on machine learning and data mining from theoretical aspects or applicational aspects based on theories.
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 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.

(Attachment)

Member of Division of Computer Science and Information Technology

As on date November 1st, 2021

Research group	Laboratory	Professor	Associate Professor	Assistant Professor
Research Group of Synergetic Information Engineering	Intelligent Software	NODA Itsuki	OYAMA Satoshi	
	Autonomous Systems Engineering	YAMAMOTO Masahito	IIZUKA Hiroyuk	
	Harmonious Systems Engineering	KAWAMURA Hidenori	YAMASHITA Tomohisa	YOKOYAMA Soichiro
	Human-Computer Interaction	ONO Tetsuo	SAKAMOTO Daisuke	
Research Group of Knowledge Software Science	Large-Scale Knowledge Processing	HORIYAMA Takashi	SETO Kazuhisa	
	Knowledge Base	YOSHIOKA Masaharu	Under selection	OKUBO Yoshiaki
	Information and Knowledge Network	ARIMURA Hiroki	To be appointed	
	Algorithmics	NAKAMURA Atsuyoshi	<u>Open Position</u>	
Research Group of Mathematical Science	Mathematical Science for Computing	TANAKA Akira	KAWAGUCHI Mayuka	NAKAMURA Masanori
	Pattern Recognition and Machine Learning	KUDO Mineichi		KIMURA Keigo
	Intelligent Information Systems	SUGIMOTO Masanori		WATANABE Hiroki
	Information and Data Analysis	IMAI Hideyuki	Under selection	

Computer science and information technology course, Graduate School of information Science and Technology are organized with following other divisions.

Division/Center	Laboratory	Professor	Associate Professor	Assistant Professor
Research Group of Large-scale Information Systems (Information Initiative Center)	High-performance Computing	OMIYA Manabu IWASHITA Takeshi		FUKAYA Takeshi
	Information Systems Design	MUNETOMO Masaharu	SUGIKI Akiyoshi	
	Advanced Information Networks	TAKAI Yoshiaki	IIDA Katsuyoshi	
	Advanced Data Science	MIZUTA Masahiro MINAMI Hiroyuki		
Department of Mathematics (Faculty of Science)	Applied Singularity Theory	OHMOTO Toru		TORIELLI Michele
Collaborative Center for Big data and IoT (CCB).		ALLAN James ZILBERSTEIN Shlomo		