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

April 17th, 2020

We are inviting applications for the position of Professor in the Laboratory of 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: Professor

Department:
Research Group of Knowledge Software Science, Division of Computer Science and Information Technology, Faculty of Information Science and Technology

Affiliation:
Laboratory of 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:
Lectures, seminar, experiments, and exercise courses related to computer science and information technology (see Appendix 1). Administrative tasks of the faculty, graduate school, and undergraduate school.

Qualifications:

1. Applicant should have a doctoral degree or Ph.D.
2. Applicants should possess an advanced knowledge of algorithmics with excellent research accomplishments and achievements (see Appendix 2).
3. Applicant should have the ability to provide instruction in subjects described in Appendix 1 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:
(1) CV with recent photo, including 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. Awards
7. Grants (Please add information whether the applicant is principal investigator of the grant or not)
8. Patents
9. Other papers/presentations
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).

(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.

Deadline for application: July 17th, 2020

Scheduled stating date of employment: April 1st, 2021 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

Contact person:
 Prof. Hidenori Kawamura, PhD
 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 Form
  Monday to Friday • Discretionary work system
  * The working hours for a day is deemed as 7 hours and 45 minutes.
(3) Salary:
  National University Corporation Hokkaido University Employee Salary Regulations
  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
Appendix

1. The successful applicant will partly or fully give the lectures listed below, for which the Laboratory of Algorithmics is responsible.
   
   (1) Subjects in the Graduate School of Information Science and Technology:
       Theory and Practice of Algorithms, Laboratory seminar, and others
   
   (2) Subjects in the School of Engineering:
   
   (3) Subjects in the general education: The World of Science and Technology and others.

2. The Laboratory for Algorithmic studies everything around algorithms and the theoretical foundations of computer science. More specifically, we are interested in foundations, design, and analysis of algorithms in the following research areas: theory of computation, complexity theory, algorithm and data structures, optimization, discrete structures, automata theory, theory of programming languages, information security and privacy preserving computations, massive data processing algorithms, and computational learning theory. Working through these researches, they conduct research and education on algorithms to analyze and solve real-world problems in science, industry, and societies. 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 high quality fundamental researches on computation and algorithms and tackle important problems in the cyber and the real worlds to open up a new research field.

3. 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.
Teaching staff: Division of Computer Science and Information Technology

As of April 2021

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<tr>
<th>Research group</th>
<th>Laboratory</th>
<th>Professor</th>
<th>Associate Professor</th>
<th>Assistant Professor</th>
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<tr>
<td>Research Group of Synergetic Information Engineering</td>
<td>Intelligent Software</td>
<td>(Will be appointed in April 2021 or later; Under selection)</td>
<td>OYAMA Satoshi</td>
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<td></td>
<td>Autonomous Systems Engineering</td>
<td>YAMAMOTO Masahito</td>
<td>IIZUKA Hiroyuki</td>
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<td>Harmonious Systems Engineering</td>
<td>KAWAMURA Hidenori</td>
<td>YAMASHITA Tomohisa</td>
<td>YOKOYAMA Soichiro</td>
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<td></td>
<td>Human-Computer Interaction</td>
<td>ONO Tetsuo</td>
<td>SAKAMOTO Daisuke</td>
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<tr>
<td>Research Group of Knowledge Software Science</td>
<td>Large-Scale Knowledge Processing</td>
<td>HORIYAMA Takashi</td>
<td>(Will be appointed in October 2020 or later; Under selection)</td>
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<td></td>
<td>Knowledge Base</td>
<td>YOSHIOKA Masaharu</td>
<td></td>
<td>OKUBO Yoshiaki</td>
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<td></td>
<td>Information and Knowledge Network</td>
<td>ARIMURA Hiroki</td>
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<td>Algorithmics</td>
<td><strong>Open Position</strong></td>
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<td>JORDAN Charles</td>
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<td>Research Group of Mathematical Science</td>
<td>Mathematical Science for Computing</td>
<td>TANAKA Akira</td>
<td>KAWAGUCHI Mayuka</td>
<td>NAKAMURA Masanari</td>
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<td>Pattern Recognition and Machine Learning</td>
<td>KUDO Mineichi</td>
<td>NAKAMURA Atsuyoshi</td>
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<td>Intelligent Information Systems</td>
<td>SUGIMOTO Masanori</td>
<td></td>
<td>WATANABE Hiroki</td>
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<td>Information and Data Analysis</td>
<td>IMAI Hideyuki</td>
<td>HIROSE Yoshihiro</td>
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