

**Position for Assistant Professor in the Laboratory of Vehicle Robotics,
Research Faculty of Agriculture, Hokkaido University**

October 19, 2020

We are inviting applications for the position of Assistant Professor in the Laboratory of Vehicle Robotics, Research Group of Bioresource and Environmental Engineering, Research Faculty of Agriculture, Hokkaido University. Please inform potential candidates of the following details on this position.

1. Title of position:

Assistant Professor

2. Affiliation:

Laboratory of Vehicle Robotics, Research Group of Bioresource and Environmental Engineering, Research Faculty of Agriculture, Hokkaido University (see Appendix 2).

3. Duties in education:

Lectures, seminar, experimental works, practical training, and exercise courses related to Vehicle Robotics (see Appendix 3).

4. Qualifications:

- (1) Applicants should have a doctoral degree or Ph.D.
- (2) Applicants should possess excellent accomplishments and achievements on off-road vehicles, field robots, remote sensing, precision agriculture, etc. Fluency in foreign languages such as English is desirable. (see Appendix 1).
- (3) Applicants should have the ability to provide research guidance regarding the above subjects for undergraduate and graduate students both in Japanese and in English.
- (4) Applicants must arrive at his/her post on the scheduled date.

5. Application materials:

- (1) Two sets of curriculum vitae *
- (2) Two sets of publication list and biographical data on research activities *
- (3) Two sets of summary of research activities with citing the reference number in the publication list (either around 800 words in English or around 1,000 characters in Japanese)
- (4) Two sets of reprints or photocopies of all peer-reviewed publications
- (5) Two sets of summary of educational activities including those made in English and applicant's perspectives on education (either around 800 words in English or around 1,000 characters in Japanese)
- (6) Two sets of summary of applicant's perspectives on research (either around 800 words in English or around 1,000 characters in Japanese)
- (7) Two sets of the list of two references for the applicant, showing his/her name, institution, position, telephone number, and e-mail address

* Forms of curriculum vitae, publication list, and biographical data on research activities are available at the URL of Hokkaido Univ. (<https://www.agr.hokudai.ac.jp/i/subscription>)

Remarks: Please note that an interview may be conducted if necessary. In that case, the applicant is responsible for any travel expenses. The submitted document will not be returned to the applicant. Applications will not be used for purposes other than this job posting.

6. Deadline for application:

November 30, 2020

7. Scheduled starting date of employment:

April 1st, 2021

8. Destination of the documents:

Prof. Noboru Noguchi, Chair of the Personnel Committee, Ph.D.
Research Faculty of Agriculture, Hokkaido University,
Kita 9 Nishi 9, Kita-ku, Sapporo 060-8589, Japan

*The requested documents should be submitted via registered mail to the postal address indicated above. Please indicate on the envelope "Application for Assistant Professor in the Laboratory of Vehicle Robotics " in red ink.

9. Contact person:

Prof. Munehide Ishiguro, Ph.D.
Research Faculty of Agriculture, Hokkaido University,
Kita 9 Nishi 9, Kita-ku, Sapporo 060-8589, Japan
Tel: +81-11-706-2565, E-mail: ishi-m@env.agr.hokudai.ac.jp

10. Compensation:

(1) Probation Period:

3 months

(2) Salary:

National University Corporation Hokkaido University Employee Salary Regulations

(3) Working hours, etc.:

Monday to Friday・Discretionary work system

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

(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

11. Name of recruiter institution:

Hokkaido University

12. Measures to Prevent Second-hand Smoke:

Smoking in designated areas only

Appendix

1. Initial term of employment is 5 years, and an additional term of employment is limited to an additional 5 years. To qualify for a tenure position, the candidate's performance during employment will be evaluated.
2. The Laboratory of Vehicle Robotics is working on solving various problems related to the field environment and food production centering on the vehicle. Vehicles include a ground vehicle, an aerial vehicle that moves in the air, a boat that moves on the water (Surface vehicle), and a satellite that moves in outer space (Satellite vehicle). Our laboratory conducts education and research on the construction of food production systems that utilize robot technology and ICT, such as automation and robotization of off-road vehicles, and spatial informatization by remote sensing.
3. The successful applicant will partly or fully give the lectures listed below, for which the Laboratory of Vehicle Robotics is responsible.
 - (1) Subjects in the Graduate School of Agriculture: Study on Agriculture Science I・II, Seminar on Agriculture Science I・II, Advanced Smart Agriculture, and others.
 - (2) Subjects in the School of Agriculture: Field Information Systems, Field Robotics, Automatic Control Engineering, Seminar on Bioresource and Environmental Engineering, Field Training on Bioresource and Environmental Engineering, Laboratory Work on the Instrumentation of Bioresource and Environmental Engineering, Laboratory Work on Bioresource and Environmental Engineering II, Graduation Thesis, and others.
 - (3) Subjects in the general education: Environment and People, and others.