

October 1, 2018

Recruitment of Specially-Appointed Associate Professor

Research Field of Hokkaido Weather Forecast and Technology Development

(Endowed by Hokkaido Weather Technology Center Co. Ltd.)

Department of Earth and Planetary Sciences

Faculty of Science

Hokkaido University

The Faculty of Science, Hokkaido University, invites applications for a faculty position at the rank of Specially Appointed Associate Professor as follows.

1. Position: One Specially Appointed Associate Professor in the Research Field of Hokkaido Weather Forecast and Technology Development* (Hokkaido Weather Technology Center), Department of Earth and Planetary Sciences
*Expected to be launched in April, 2019

2. Field of Research and Scope of Work:

We are seeking an individual with demonstrated potential to promote research in meteorology, in collaboration with other researchers in the Division of Earth and Planetary Dynamics. She/He is also expected to be proactively engaged in the teaching of undergraduate and graduate students.

She/He will belong to the Faculty of Science and engage educational activities in the Division of Earth and Planetary Dynamics, Department of Natural History Sciences, Graduate School of Science and in the Department of Earth and Planetary Sciences, School of Science. She/He will also teach courses in the and General Education.

Please see the Outline of Research Field for details.

3. Application Criteria:

Candidates should hold a doctorate and have a certain level of Japanese language skills to be involved in research, educational and operational activities.

4. Start Date: April 1, 2019

5. Term of Employment Contract: Three years until March 31, 2022

6. Probation Period: One month

7. Salary: Salary will be paid in accordance with National University Corporation Hokkaido University Specially-

Appointed Academic Staff Employment Regulations

8. Working Hours: Discretionary working system in the type of professional work applies

*7 hours and 45 minutes per day

9. Insurances: Welfare Pension Insurance and Mutual Association of the Ministry of Education, Culture, Sports, Science and Technology, Industrial Accident Compensation Insurance and Employment Insurance

10. Name of Employer/Recruiter: National University Corporation Hokkaido University

11. Documents to be submitted:

1) CV

*Academic background, international conferences, awards, list of research projects, obtained research funds, and any employment history such as Part-Time Lecturer, etc., should be included.

2) Outline of research activities to date (approximately 2,000 words)

3) List of research achievement

*If any, Japanese documents should be described in Japanese.

A. Peer-reviewed papers and review papers in English

B. Peer-reviewed papers and review papers in languages other than English (Japanese included)

C. Non Peer-reviewed papers, review papers and publications

D. Other publications should be noted

4) One copy of each of 5 major scholarly papers or publications

5) Research and educational plan in future (approximately 2,000 words)

6) Outline of educational activities if any (approximately 1,000 words) including involvement in research supervision of bachelor, master and doctoral students

7) Names and contact information of 2 references including e-mail addresses

*Please submit the above documents both in hard copy form and PDF format saved in a CD, DVD, USB, etc. When saving, documents except 4) should be saved in one file. As for 4), if it cannot be saved in the medium above, only a hard copy may be submitted.

12. Deadline for Submission: Documents must arrive no later than Tuesday, November 20, 2018.

Please write "Application for Specially Appointed Associate Professor (Division of Hokkaido Weather Forecast and Technology Development) on the envelope in red ink and send it by simple registered/registered mail.

Application materials will not be returned.

13. Interview and Lecture:

During selection process, candidates may be asked for interview or to give a lecture.

14. Delivery Address:

Earth and Planetary Sciences Research Support Office #2
Room 322, 3F, Science Building #8
Division of Earth and Planetary Dynamics
Department of Earth and Planetary Sciences
Faculty of Science, Hokkaido University
Tel/Fax: +81-(0)11-706-3554

15. Contact:

For details on condition of employment, please contact the following:
Prof. Masaru INATSU
3F, Science Building #8
Division of Earth and Planetary Dynamics
Department of Earth and Planetary Sciences
Faculty of Science, Hokkaido University
Kita 10 Nishi 8, Kita-ku, Sapporo 060-0810 Japan
Tel/Fax: +81-(0)11-706-3549
Email: inaz@sci.hokudai.ac.jp

16. Hokkaido University Websites for reference:

Division of Earth and Planetary Dynamics, Department of Earth and Planetary Sciences
<http://www.sci.hokudai.ac.jp/grp/dyna-admin/geodynamics/>
Department of Earth and Planetary Sciences, School of Science
<http://www.sci.hokudai.ac.jp/eps/>
Graduate School of Science
<http://www.sci.hokudai.ac.jp/graduate/>
Faculty of Science
<http://www.sci.hokudai.ac.jp/faculty/>
Support Office for Female Researchers in Hokkaido University
<http://freshu.ist.hokudai.ac.jp/>

Hokkaido University actively promotes research activities while relying on diverse human resources and gender equality. We specifically promote the development of female researchers by reinforcing a better environment to maintain Work-life balance.

Outline of Research Field
(Endowed by Hokkaido Weather Technology Center Co. Ltd.)

Outline of Research Field

Soon-to-be-established Research Field of Hokkaido Weather Forecast and Technology Development is endowed by Hokkaido Weather Technology Center Co. Ltd. and focuses on development of a new technology and interdisciplinary human resources with state-of-the-art knowledge to predict devastating extreme weathers in Hokkaido.

As symbolized by the damage caused by the typhoon in 2016, Hokkaido is facing growing risk of extreme weather disaster. In order to counteract such risk, the Research Field will develop fundamental technology and human-resources as described below;

In collaboration with researchers in the Laboratory of Meteorology, Division of Earth and Planetary Dynamics, the Research Field will develop a forecast technology of extreme weather conditions with on-site operational supports. The Research Field will focus on extreme weather phenomena which may cause high risk of river flood and transportation disturbance in Hokkaido. For example, the Research Field will develop a novel scheme for forecasting precipitation intensity potential with a few days lead time. This scheme will permit a flexible management of flush floods caused by torrential rain or rapid snow melt. Moreover, the Research Field will develop a local-scale, instantaneous, redundant risk-assessment scheme based on large eddy simulation for aviation safety in privatizing regional airports.

Meteorological knowledge for these studies should be widely shared with the local society of Hokkaido. The Research Field will actively recruit adult students in the Graduate School of Science.