

Chiba University Seeking a Specially Appointed Assistant Professor/ Researcher at the Center for Environmental Remote Sensing

December 28, 2021

Environmental Prediction Science, Kotsuki Laboratory
Center for Environmental Remote Sensing (CEReS), Chiba University
(<https://kotsuki-lab.com>)

[Job Description]

The Center for Environmental Remote Sensing Research Center (CEReS), Chiba University, processes, archives, and publishes satellite data and related ground observation data, and is exploring a wide range of research fields on Earth Environmental Science. At this time, we are recruiting a specially-appointed assistant professor or researcher to implement education/research on global terrestrial water cycle prediction and enhancing global precipitation map through land data assimilation and deep learning as following specifications.

1. Number of Applicants: 1

2. Recruitment Field:

Candidates who can contribute to education/research on advancing global terrestrial hydrological predictions and global precipitation map through land data assimilation and deep learning. Doctoral degree at the time of appointment or expected to complete his/her doctorates near future.

3. Job Description:

Engaged in research projects such as "Enhancement of Global Satellite Precipitation Map (GSMaP) by Land Surface Data Assimilation and Data Science" of JAXA's 3rd Research Announcement. The project aims at integrating the satellite-borne precipitation data including Global Precipitation Measurement (GPM) with land surface models through data assimilation and data science. The following research activities are included, yet research themes can be set to contribute to our project mission with the consideration of the applicant's research background and interests/skills.

- ✓ Improving land surface models by satellite data assimilation
- ✓ Improving Global Satellite Map of Precipitation (GSMaP) by machine learning and land data assimilation

[Qualifications]

Those who are interested in research fields related to meteorological/hydrological models, data assimilation, machine learning, and data science, and have research achievements in related fields. Applicants from fields other than earth science are also welcome (e.g., mathematics, information science, ecology, etc.) if you have an interest or motivation for such fields mentioned at the beginning.

[Related Research Fields]

Geoscience (Earth Science) including hydrology and meteorology, general environmental science, mathematics, and information science.

4. Hire Date: April, 2022 **negotiable

5. Recruitment Period:

The contract is until the end of the Japanese school year, but it may be renewed depending on the progress of the work.

6. Employee Benefits:

- (1) Job title:** Specially-appointed assistant professor or researcher (full-time).
- (2) Salary, etc.:** University's Specified Employment Staff Salary Regulations based on your years of experience will be applied
- (3) Working hours:** from 8:30 to 17:15, 5 days a week, 7 hours and 45 minutes per day (under the Discretionary Labor System for Professional Work).
- (4) Holidays:** Saturdays, Sundays, National holidays, and year-end and New Year holidays.
- (5) Leave:** granted based on the University's employment agreement.
- (6) Various allowances:** provide commuting allowance if requirements are met based on the regulations.
- (7) Insurance:** join a mutual aid association, employment insurance, and workers' accident compensation insurance

7. Selection Process: will be made based on application screening and interviews.

8. Required documents:

- (1) Complete CV:** any style or format is accepted. *Email address is required.
- (2) List of research achievements:** please list peer-reviewed treatises and others separately.

- (3) Copy of 3 major publications: must be single author or first author treatise.
- (4) Previous research history and your research plan after hired: please fill two letter size paper for each topic.
- (5) Contact information of your former co-workers: list 1 or 2 people other than the Center for Environmental Remote Sensing, Chiba University. Any style or format is accepted.

9. Deadline for this recruitment:

Applications (required documents listed #8) must arrive **by January 31, 2022**. Please note that the deadline may change accordingly.

10. Documents to be sent to:

Shunji Kotsuki
Environmental Remote Sensing Research Center, Chiba University
1-33 Yayoi-cho, Inage-ku, Chiba-city, Chiba, Japan 263-8522
shunji.kotsuki@chiba-u.jp

- ✚ Note "**Specially Appointed Assistant Professor/ Researcher Application Documents Enclosed**" in red on the front of the envelop if sent by registered mail.

11. Contacts:

✚ **Job related:**

Shunji Kotsuki
Environmental Remote Sensing Research Center, Chiba University
Phone: 043-290-3861, e-mail: shunji.kotsuki@chiba-u.jp

✚ **Benefits related:**

Mika Takemura
Center Support Unit., Science and Engineering General Affairs Division, Nishi-Chiba District, Chiba University
Phone: 043-290-2024, e-mail: bee3832@office.chiba-u.jp

12. Notes:

- ✚ Application documents will not be used for any other purposes than the selection process. These documents will not be returned unless a stamped self-addressed envelope is enclosed.
- ✚ Travel expenses will not be paid for interviews during the selection process.