

Call for Applications: Postdoctoral Researcher, Center for Environmental Remote Sensing (CEReS), Chiba University

[Job Description]

Chiba University invites applications for a researcher to work on studies of *observation impact assessment and observation system design* in the context of numerical weather prediction (NWP).

1. Number of Positions:

One (1)

2. Research Fields:

- Natural Sciences in general / Atmospheric and Hydrospheric Sciences
- Infrastructure Development / Hydraulic Engineering

3. Duties:

The successful candidate will conduct research on the impact of novel meteorological observations on numerical weather prediction, including observations from upcoming satellite missions and emerging platforms such as drones. The work will also involve studies of observation specifications and deployment strategies, thereby contributing to the design of next-generation observation systems. Depending on the applicant's interests, the research may focus on one or more of the following themes:

- Development of methodologies for reducing climate projection uncertainty using Emergent Constraints with data assimilation
- Impact assessment of novel atmospheric observations and optimization of observation networks
- Development of cloud-resolving models incorporating water isotopes
- Drone-based observations of cloud and precipitation processes
- Estimation of climate model parameters using water isotope information

4. Qualifications:

- **Degree:** Applicants must hold (or be expected to obtain shortly) a Ph.D. in Atmospheric/Hydrospheric Sciences, Hydraulic Engineering, or a related field.
- **Experience:** Applicants should have research achievements in one of the following areas: weather forecasting, climate change projection, atmospheric/climate modeling, or data assimilation. However, candidates without prior experience in these areas will also be considered if they demonstrate strong interest and motivation.

5. Expected Start Date:

January 1, 2026 (negotiable; early start is welcome).

6. Employment Period:

The contract is annual (until March 31 of each fiscal year). Renewal may be possible depending on performance, research needs, and available funding.

7. Terms of Employment:

1. **Title:** Postdoctoral Researcher (full-time)
2. **Salary:** In accordance with Chiba University's regulations for fixed-term employees, determined based on years of experience.

3. **Working Hours:** 8:30–17:15, five days per week, 7 hours 45 minutes per day (discretionary work system for professional work applies).
4. **Holidays:** Saturdays, Sundays, national holidays, year-end/New Year holidays.
5. **Leave:** Annual leave in accordance with university regulations.
6. **Allowances:** Commuting allowance (if conditions are met, as per university rules).
7. **Insurance:** Membership in Mutual Aid Association, Employment Insurance, and Industrial Accident Compensation Insurance.

8. Selection Procedure:

Screening will be based on submitted documents and interviews. Applicants residing far from Chiba may be interviewed online.

9. Application Documents:

- (1) Curriculum Vitae (use the designated form available on the CERE S website).
- (2) List of research achievements (free format; separate peer-reviewed papers from others).
- (3) Copies of three major papers (photocopies accepted; preferably first-author or sole-author papers).
- (4) Statement of past research achievements and future plans (approx. one A4 page in total, free format).
- (5) Names, affiliations, and contact information of two references.

Notes:

- For (2), providing a URL (e.g., researchmap) with equivalent information is acceptable.
- Please use the subject line “Application for Postdoctoral Researcher Position.”
- All submitted documents will be handled responsibly and disposed of after the selection process.

10. Application Deadline:

October 31, 2025 (applications must arrive by this date). However, the call may close earlier once a suitable candidate is found.

11. Submission Address:

Atsushi Okazaki

Center for Environmental Remote Sensing (CERE S), Chiba University

1–33 Yayoi-cho, Inage-ku, Chiba 263–8522, Japan

Please write “Application Documents for Specially Appointed Researcher” in red on the envelope, and send by registered mail.

12. Contact Information:

- **Research-related inquiries:**

Atsushi Okazaki, Center for Environmental Remote Sensing (CERE S), Chiba University

Tel: +81–43–290–3834

E-mail: atsushi.okazaki[at]chiba-u.jp (replace [at] with @)

- **Employment-related inquiries (salary, benefits, etc.):**

Yuji Wakatsuki, Center Affairs Section, Administrative Office for Science and Engineering, Nishi-Chiba Campus, Chiba University

Tel: +81–43–290–3832

E-mail: bee3832[at]office.chiba-u.jp (replace [at] with @)

13. Additional Information:

- Travel expenses for interviews will not be reimbursed.
- Salary will follow university regulations and depend on years of experience. For a researcher in the first year after obtaining a Ph.D., the annual salary is expected to be around 5.28 million JPY. Salary increases may be possible depending on achievements.