

## Recruit Information for Project Researcher (Fixed-Term Project Staff), in Institute of Engineering Innovation & Department of Civil Engineering, School of Engineering, the University of Tokyo

1. Title and Hiring Numbers: Project Researchers, several
2. Term of Employment: As soon as possible after October 1, 2022 (negotiable) to March 31, 2023
3. Renewal of Contract: The contract is renewable on a fiscal year basis (from April 1 to March 31) contingent upon all relevant factors, which include funding status, job performance, work record and health conditions.  
Contract is until March 31, 2025 at the longest.
4. Probation Period: 6 months from the date of employment.
5. Place of Work: Asano Campus, the University of Tokyo (2-11-16, Yayoi, Bunkyo-ku, Tokyo)  
Or Hongo Campus, the University of Tokyo (7-3-1, Hongo, Bunkyo-ku, Tokyo)
6. Affiliation: Sawada Laboratory, Institute of Engineering Innovation  
Or River and Environmental Engineering Laboratory, Department of Civil Engineering  
(<https://sites.google.com/view/sawadaresearchgroup/home>)  
(<http://aqua.t.u-tokyo.ac.jp/REEL/>)  
\* Your affiliation may be changed subject to necessity of the business  
Assoc. Prof. Yohei Sawada (Institute of Engineering Innovation) and Assist. Prof. Masahi Minamide (Department of Civil Engineering) jointly promote Moonshot research & development program "Controlling weather-society coupling system based on social decision making". We are looking for post-doc researchers who will be involved in this research project.  
  
In this project, we innovate numerical typhoon prediction by developing new method of data assimilation, model parameter optimization, and ensemble forecast. In addition, we develop new dataset of ensemble reanalysis/reforecast of typhoons to deepen our understanding of typhoon's predictability and controllability.
7. Contents of Work Duties: To achieve these goals, the post-doc researchers will investigate topics of either A or B shown below.  
A. Developing the method to optimize the selection of physics parameterizations and model parameters in atmospheric models based on state-of-the-art uncertainty quantification theory to innovate typhoon forecast.  
B. Developing the dataset of ensemble reanalysis/reforecast of typhoons based on satellite data assimilation and discovering a new theory related to predictability and controllability of typhoons.  
  
Those who are in charge of topic A work in Institute for Engineering Innovation while those who are in charge of topic B work in Department of Civil Engineering. We consider the candidates' preference and expertise to assign topics to researchers. Note that it takes 5 minutes on foot from Institute of Engineering Innovation to Department of Civil Engineering and your affiliation may be changed subject to necessity of the business.
8. Working Hours: Discretionary work system for professional work applies and working hours will be deemed as 7 hours and 45 minutes per day.
9. Days off: Saturdays, Sundays, Holidays, and the year-end and New Year holidays (December 29 to January 3)
10. Leave: Annual Paid Leave and Special Leave
11. Wages: Annual Salary System applies and monthly paid salary will be a range of JPY 370,000 to JPY 420,000 including performance and achievement allowance.  
The salary will be decided by taking your qualifications, capacity, and experience into account.  
Commuting allowance is JPY 55,000 per month at maximum.
12. Insurance: Eligible for the insurance from the Mutual Aid Association of Ministry of Education, Culture, Sports, Science and Technology and Employment Insurance.
13. Accident Compensation: Work-related accidents and commuting accidents are covered by the Industrial Accident Compensation Insurance Act and the University of Tokyo's Teacher and Staff Act Non-Compliance Accident Compensation Regulations.
14. Qualification Requirements: Those who have a doctoral degree, or those who are expected to acquire it by the date of employment.
15. Documents to be Submitted: 1) Curriculum Vitae  
2) Overview of your research activities so far and future prospects (2 pages A4 sheets). You must describe which topics (A or B in 7. Work Duties) are preferred.  
3) Contact information of a professional reference (name, affiliation, and e-mail address)  
All application materials should be submitted as e-mail attachments. Send them to the e-mail address shown below in 18. Contact. Title of this e-mail should be "Application of a project researcher in Sawada Lab, The University of Tokyo."  
If you do not receive our response within three working days, please let us know.
16. Submission Method: July 27, 2022  
We may close this application earlier when we find the appropriate candidates.  
Selection will be made based on application screening and interviews. You will be noticed whether you are selected as an interviewee after this deadline.
17. Deadline: 2-11-16, Yayoi, Bunkyo-ku, Tokyo, 113-8656  
Sawada Laboratory, Institute of Engineering Innovation, School of Engineering  
Yohei Sawada e-mail: yohei.sawada[at]sogo.t.u-tokyo.ac.jp (change [at] to @)
18. Contact: The University of Tokyo
19. Recruiter Name: During the period of employment, sharing controlled technology to you may be prohibited by FEFTA and it may become difficult to achieve your job as a faculty or a staff member of the University if you are under the control of a foreign government, corporation or university by contract, or under the control of a foreign government by economic interests. In such a case, you need to keep the contract or interests within the range that does not incur such restrictions.
20. Notice: Personal information is handled carefully according to the Privacy Policy of The University of Tokyo, and will be used only for this recruitment purposes. Submitted documents will not be returned. We welcome proactive application from women in accordance with "The University of Tokyo, Declaration for Promoting Gender Equality".
21. Others: