Recruitment Information for Project Researcher (Fixed-Term Project Staff) in The University of Tokyo Graduate School of Engineering, Chemical System Engineering Department, Sugiyama-Badr Laboratory

1. Title and Hiring Numbers :	Project Researcher (Fixed-term project staff) 1 person
2. Term of Employment :	April 1, 2027 to March 31, 2028
3. Renewal of Contract :	None
4. Probation Period :	14 days from the date of employment
5. Place of Work :	Hongo campus, The University of Tokyo (7-3-1 Hongo, Bunkyo-ku, Tokyo) Stations : Subway Chiyoda Line Nezu Sta. 7 min Namboku Line Todai-mae Sta. 10 min Marunouchi Line Hongo-sanchome Sta. 15 min The scope of changes: Place of Work may be changed within Graduate School of Engineering subject to necessity of the business, etc.
6. Affiliation :	Sugiyama-Badr lab, Chemical System Engineering Department *Your affiliation may be changed subject to necessity of the business
7. Contents of Work Duties :	We are looking for a motivated postdoctoral researcher to join our group and work on hydrogen production systems and infrastructure. The research covers process modeling, design, and optimization, with applications to the decarbonization of energy systems and the chemical industry. Research topics •Modeling, design, and optimization of hydrogen production processes and supply chains •System-level assessment of low-carbon pathways for energy and chemical production •Bringing together technical, economic, environmental, and safety criteria in process design and decision-making The scope of change is as follows: Displacement, concurrent service, and secondment may be ordered.
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 (Dec. 29th to Jan. 3rd)
10. Leave :	Annual Paid Leave, Special Leave, etc.
11. Wages, etc. :	To be determined by The University of Tokyo Regulations. An annual-based salary system is applied, and the monthly salary is about 350,000 to 500,000 yen/month, including performance and achievement allowances. The salary will be decided taking your qualifications, capacity, experience, etc. into account. Commuting Allowance up to JPY 55,000 is supplied. No retirement benefits and bonuses.
12. Insurance :	Eligible for the insurance from the Mutual Aid Association of MEXT (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:	A PhD in chemical engineering, process systems engineering, or a related field (or expected by the start date) Required qualifications •A PhD in chemical engineering, process systems engineering, or a related field (or expected by the start date) •Strong background in process systems engineering •Experience in process modeling, simulation, and design •Experience in optimization and related programming tools (e.g., Python/Pyomo, GAMS) •Ability to communicate in English Preferred qualifications •Experience in environmental impact assessment (e.g., life cycle assessment) •Experience in risk or hazard assessment •Experience in data science, such as machine learning, large language models (LLMs), data-driven modeling
15. Documents to be Submitted :	1) The University of Tokyo Standard Resume (Download the resume from the website below.) https://www.u-tokyo.ac.jp/en/about/jobs.html 2) Publication list 3) Short research statement 1-2 pages * Must be written in English
16. How to submit :	Applications must include all materials indicated in 15. Send to badr@pse.t.u-tokyo.ac.jp with the e-mail title of "Application for Project Researcher at Sugiyama-Badr Lab."
17. Application Deadline :	Applications must arrive by 31st December 2026. Selection will be conducted and finished at any time even before the deadline. After screening of application materials, interviews of selected applicants will be conducted.
18. Contact :	7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, Japan The University of Tokyo Graduate School of Engineering, Chemical System Engineering Department, Sugiyama-Badr Laboratory Sara Badr TEL: 03-5841-6876 e-mail: badr@pse.t.u-tokyo.ac.jp
19. Recruiter Name :	The University of Tokyo
20.The measures against second-hand smoking:	Smoking is not allowed on campus grounds. (only permitted in designated areas outside.)
21.Notice:	If you are personally in contract with foreign governmental bodies, corporations or universities, or you are in receipt of a large benefit (financial or any other form) from foreign governmental bodies during the period of your employment, the provisions of the Foreign Exchange and Foreign Trade Act (FEFTA) may prohibit or restrict the sharing of technology that are designated as controlled technology possibly making it difficult for you to fulfill your duties as an academic or administrative staff of the university as a result. Therefore, in such cases it is necessary to keep such contracts/benefits within the scope where it does not hinder the sharing of technologies necessary for your duties by the university.
22. Others :	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".