

Institute for Future Initiatives (IFI), The University of Tokyo

Recruitment Information for Project Assistant Professor / Project Researcher (Fixed-Term)

1. Title and Hiring Number: Project Assistant Professor / Project Researcher (One)
2. Term of Employment: [16 April 2020] to [31 March 2021]
3. Renewal of Contract: No
4. Probation Period: 6 months from the date of employment
5. Place of work: Institute for Future Initiatives (IFI), The University of Tokyo
Hongo Campus, 7-3-1 Hongo, Bunkyo-ku, Tokyo
6. Work Duties: The Project Researcher will conduct research on the sustainability of different sanitation systems in neighborhoods of Shanghai. This work will be part of the SASSI project: <https://susinfra.com/sassi>

Particular research tasks:

- Estimate the material flows of diverse sanitation systems in different neighborhoods of Shanghai;
- Assess the relevant sustainability impacts of these different sanitation systems;
- Develop methods and approaches to compare findings across neighborhoods and other published literature;
- Contribute to the development of decision-support tools in collaboration with international SASSI partners;
- Translate the research outcomes to appropriate recommendations for meeting the Sustainable Development Goals (SDGs)

Main duties and responsibilities

- Conduct empirical research at the interface of sanitation and sustainability in Shanghai;
- Design quantitative and qualitative methodologies to collect, analyze, and interpret relevant environmental and socioeconomic data (e.g. through household surveys, spatial analysis, secondary data analysis);
- Analyse primary and secondary data using appropriate techniques such as Material Flow Analysis (MFA), Life Cycle Assessment (LCA), statistical analysis;
- Contribute to field campaigns in Shanghai and project meetings in Manchester;
- Prepare manuscripts for submission to leading international peer-reviewed journals;
- Supervise, where necessary, research students and field assistants
- Fulfill, where necessary, administrative duties, including the design of fieldwork budgets, coordinate with other team members, and manage research funds;
- Liaise with the SASSI international project partners to ensure the smooth operation of collaborative research components;
- Represent IFI and SASSI at international and national events, increasing the profile of the Institute and the project;

7. Working Hours: Discretionary work system for professional work applies.
Working hours will be deemed 7 hours and 45 minutes per day
8. Days off: Saturdays, Sundays, Holidays and the year-end and New Year holidays
(December 29 to January 3)
9. Leave: Annual Paid Leave, Special Leave, etc.
10. Wages: Annual Salary System applies.
Monthly Paid Salary: JPY 300,000 – 340,000 depending on qualifications,
capacity and experience
Commuting Allowance: Depends on home address (up to JPY 55,000)
11. Insurance: You will be automatically enrolled in the insurance from the Mutual Aid
Association of MEXT (Ministry of Education, Culture, Sports, Science and
Technology) and Employment Insurance.
12. Selection criteria: Essential
- PhD in Environmental Science, Environmental Engineering, Sustainability Science, or related subject;
 - Demonstrated knowledge of Material Flow Analysis (MFA), Life Cycle Assessment (LCA) and/or similar techniques related to urban metabolism;
 - Experience of primary and secondary data collection, compilation, analysis and synthesis for the aforementioned techniques, especially in urban contexts;
 - Good quantitative and statistical skills;
 - Knowledge of appropriate analytical techniques and software;
 - Proven skills in writing and publishing papers in leading scientific journals;
 - Experience delivering presentations to international audiences;
 - Demonstrated ability to work independently;
 - Excellent leadership, managerial, and communication skills;
 - Excellent working knowledge of English (working language will be English);
 - Willingness to commence work on 16 April 2020.
- Desirable
- Working experience in sanitation and/or waste management systems, especially in developing countries and/or urban contexts
 - Good understanding of the SDGs and the targets related to sanitation;
 - Working experience in multi-partner, international and interdisciplinary projects
 - Strong publication record in sanitation studies, sustainability science, environmental science or related topic;
 - Willingness to spend prolonged periods of time (~1-3 months) travelling, including to conduct fieldwork in Shanghai;
 - Experience working in China
 - Knowledge of Mandarin Chinese
13. Submission Documents: (a) The University of Tokyo Standard Resume. Downloaded at:
<http://www.u-tokyo.ac.jp/en/about/jobs.html>
(b) Full CV with academic publications
(c) Cover Letter explaining the reasons for applying and the experience related to the specific post

(d) Names of two referees that can provide information about your research and professional experience and achievements

14. Submission Method:

Please apply by email and send all of the above documents to Dr. Alexandros Gasparatos: gasparatos@ifi.u-tokyo.ac.jp

Please quote “SASSI Project Assistant Professor/Project Researcher Application” in all communications

15. Deadline:

Friday 14 February 2020

Selected applicants will be invited for an in person or skype/phone interview soon after the deadline.

16. Name of Recruiter:

Dr. Alexandros Gasparatos

17. Contact:

Institute for Future Initiatives (IFI), The University of Tokyo
7-3-1 Hongo, Bunkyo-ku, Tokyo, 113-8654, Japan

For any questions please contact directly Dr. Alexandros Gasparatos: gasparatos@ifi.u-tokyo.ac.jp

18. Other

The selected applicant will be based at the Gasparatos Lab at the Institute for Future Initiatives (IFI). IFI was established in April 2019 to integrate the Policy Alternatives Research Institute (PARI) and the Integrated Research System for Sustainability Science (IR3S) to promote stronger interdisciplinary research and societal collaboration for our future society. The mission of the IFI is to make policy and social recommendations on future society issues and pursues research in collaboration with society toward those ends. It also aims to serve as an international network hub integrating university knowledge related to future society and as a platform for collaborative creation between industry, government, academia, and citizens to provide research-based alternatives for creating our future society and to help develop the human resources necessary to achieve it.

For more information about the Gasparatos lab refer to: <http://www.gasparatos-lab.org/>

For more information about IFI refer to: <https://ifi.u-tokyo.ac.jp/en/>

The research will be part of the international and interdisciplinary project SASSI (A Systems Approach to Sustainable Sanitation Challenges in Urbanising China). SASSI aims to define and advance a systems approach for sanitation, and study sustainability outcomes across different sanitation systems, environments and temporal scales. It focuses on Shanghai (China) as a prime example of urban transformation.

For more information about SASSI refer to: <https://susinfra.com/sassi>