
Post-Doctoral Researcher in Management at the Institute of Management & Organization (IMO), Faculty of Economics, at USI Università della Svizzera italiana

Università della Svizzera italiana (USI) is a young and lively university, a hub of opportunity open to the world where students are offered a quality interdisciplinary education in which they can be fully engaged and take center stage, and where our researchers can count on having the space to freely pursue their initiative.

Established in 1996, USI is in constant evolution, always taking on new challenges while remaining true to its three guiding principles: quality, openness, and responsibility.

The director of the Humanitarian Operations Group, Prof. Paulo Goncalves, invites applications for a post-doctoral researcher position to work on a on a 3-year research project funded by the Swiss National Fund (BRIDGE Discovery programme). The successful candidate will develop a system dynamics model to capture possible decarbonisation pathways for Canton Ticino, Switzerland.

The Post-Doctoral Researcher Position

The post-doctoral researcher will work under the scientific supervision of Prof. Paulo Goncalves (<http://usi.to/iam>). The successful candidate will be offered the possibility to work in a dynamic research team and in a multidisciplinary and international scientific environment.

The post-doctoral researcher will work on a BRIDGE Discovery project awarded by the Swiss National Fund (SNF) to develop a system dynamics model capturing possible decarbonisation pathways for Canton Ticino, Switzerland, with the following responsibilities:

- To collect and clean quantitative relevant Cantonal data for the dynamic model.
- To plan and conduct stakeholder engagement activities, such as participatory systems modelling workshops, semi-structured interviews, and surveys.
- To contribute to model development in collaboration with colleagues at the Centre for Management and Entrepreneurship (CMI) at the University of Applied Sciences and Arts of Southern Switzerland (SUPSI).
- To develop model structure, calibrate the model to data, designing and test policy pathways,
- To design and implement a management flight simulator for the decarbonization pathways for Canton Ticino
- To publish in high-quality peer-reviewed international journals and to present research findings at national and international meetings and scientific conferences.
- To undertake any necessary training and/or development.
- To undertake all appropriate administrative tasks.

Candidates' profile

Ideal candidates must meet the following requirements:

- Hold a PhD in system dynamics, simulation modeling, or a related field, and equivalent research experience.
- Experience with integrated models, and especially with system dynamics integrated models.
- Experience with model-based and data-driven policy analysis.
- Experience with quantitative data collection, analysis, and management in a multi-disciplinary environment (e.g., econometrics, optimization, simulation)
- Experience with social engagement processes (e.g., participatory systems modelling, semi-structured interviews, workshops, focus groups).
- Excellent oral and written English, the official language for the research; understanding of or interest in learning Italian is welcome.
- Experience with publication in international peer-reviewed journals.
- Ability to work independently and autonomously, to plan, direct, and make progress on own research.
- High personal interest in sustainability and in just transition to a low carbon society
- Willingness to travel both within Switzerland and abroad to conduct research and attend conferences.

General terms

The post-doctoral research position is highly competitive. Hiring decisions are based on the candidate's background, interests, attitude, and potential for academic achievement. The position requires full-time commitment and is not compatible with further professional activity.

The successful candidates will work under the supervision of Professor Gonçalves on the SNF Bridge discovery project funded by 3-years. The post-doctoral researcher will have the possibility to collaborate with another post-doctoral researcher working at SUPSI in the same project, and to interact with a team of two other post-doctoral researchers and three PhD students working on other research projects, as well as an international network of collaborators.

Workplace is USI Università della Svizzera italiana, located in Lugano, Switzerland. Availability to travel to other parts of Switzerland and abroad (for purposes of collaboration and research) is required.

Starting date is tentatively September 1, 2024

The Application

Applications should contain:

- (1) A personal statement in which the applicant describes their research interests and the motivation to apply,
- (2) A complete CV, including (i) date of birth, (ii) nationality, (iii) names of two references (see p.3), and (iv) other information relevant for the position (e.g., system dynamics modeling).
- (3) Names and contact information (e.g., email and telephone) of two professional references supporting your application.
- (4) An electronic version of research work (scientific published articles in peer-reviewed international journals), accompanied by a short research summary in English (1 page maximum).

The application deadline is March 30, 2024. Please send your application in electronic form in a single PDF file directly to paulo.goncalves@usi.ch (also requests for further information).

Due to the large number of applications received, only those applicants whose profiles are likely to fit the positions will be notified for further details and eventual interviews. We will start interviewing qualified applicants shortly after the submission deadline.

As an institution that values diversity, USI particularly encourages applications from women and from all individuals from underrepresented groups.

Lugano, February 29, 2024