



UNIwersytet
Warszawski



UNIwersytet Warszawski
Wydział Nauk Ekonomicznych

WNE/D/ES/100/2020

Position: Assistant Professor (Post-Doc)

The Faculty of Economic Sciences at the University of Warsaw is seeking to fill a position of a Post-Doc (3 years full-time, fixed-term).

Economists have studied the possibility of de-linking economic activity from energy and material use for years. Yet, we've failed to achieve this so far. Recently, the circular economy has achieved an increasing attention as policy that can help achieve this goal. It relies on recovering materials from old products and re-using them as inputs for production for as long as possible. However, existing economic models adopt a linear view on consumption-production, where input use is optimized to maximize the GDP growth. This approach does not capture feedback loops involved in the processes of reuse, repair and recycling of products as well as it ignores behavioral changes necessary to make a transition to the circular economy possible. As a result, we lack models, which would allow us to assess long-term consequences of the circular economy.

The aim of project "Introducing material flows into macro-evolutionary models: a study of the circular economy" is to propose agent-based models to study the economy-wide effects of the circular economy. Formally, we will extend agent-based models by input-output and material flow analysis. Agent-based technique (ABM) allows modelling many heterogeneous, boundedly-rational agents interact with each other. Instead of relying on aggregate equations, such models examine macro phenomena emerging from interactions of boundedly rational agents within networks. They have proved capable of explaining core economic phenomena like economic growth, technological change, and business cycles.

We are looking for candidates to join our team to work on agent-based models of the circular economy. The candidate will work closely with prof. Safarzyńska. The project will be carried out in collaboration with prof. Raberto (University of Genoa).

The research team will conduct research in the field of social sciences - scientific discipline - economics and finance

The competition is open to persons who meet the requirements set in forth in the Act on Higher Education of July 20, 2018 (consolidated text: Journal of Laws 2020, item 85, as amended)

Requirements:

1. PhD in Economics, Political Science or similar up to 7 years after the PhD defense
2. Strong programming skills
3. Fluent English
4. Ability to publish in international journals
5. Experience in agent-based modeling will be an advantage

Job description:

- Development of agent-based models of the circular economy

- Preparation of articles
- Mentoring of the PhD student

Employment conditions:

Full-time employment until 30.09.2023, subject to an evaluation procedure after 6 months of employment. Annual remuneration PLN 120 000 (incl. taxes and 13th salary). The position should be filled not later than 1.10.2020

List of documents required:

1. Recent CV including employment history, scholarships, research projects and a list of publications
2. A motivation letter
3. A contact detail of the referee
4. A copy of PhD diploma
5. Signed "Information on personal data processing" and "Statement" (please see below)

Please send the required documents by email to: ksafarzy@gmail.com

The competition is the first stage of the recruitment procedure for the position of an academic staff member set out in the Statutes, and its positive results shall constitute the basis for further proceedings (§ 1 ust. 4 pkt 11 Ordinance no 106 of the UW Rector).

Submission date: 10.08.2020, 23:59

Candidates selected to the second recruitment stage will be invited for an interview. The interviews are planned online in the middle of August 2020. The call will be settled by 31st August 2020. Candidates will be notified about the results by phone or email.

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given and family name

Information on personal data processing

Controller

Controller of your personal data processed in connection with the recruitment process is the University of Warsaw, ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa, as the Employer.

Contact with the controller:

- by traditional mail at: University of Warsaw, ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa (name the organizational unit to which your letter is addressed);
- by phone: 22 55 20 355.

Data Protection Officer (DPO)

Controller has designated Data Protection Officer whom you may contact via email at iod@adm.uw.edu.pl. You may contact the DPO in all matters relating to your personal data processing by the University of Warsaw and the exercise of rights in relation to the processing of personal data.

The DPO, however, does not proceed other matters, like handling recruitment procedures, collecting recruitment documents, providing information on current recruitment process.

Purpose and legal grounds of data processing

Personal data of candidates for employment shall be processed for recruitment purposes only.

Your personal data shall be processed in the scope as indicated by employment law¹ (*given name (names) and family name, date of birth, contact information as provided, education, professional qualifications, previous employment*) for the purposes of this recruitment process², whereas other data³ shall be processed based on your consent which may take the following wording:

I agree to the processing of personal data provided in (e.g. CV, cover letter, and other submitted documents) by the University of Warsaw for realising my recruitment process.

¹ Art. 22¹ of the law of June 26, 1974 Labour Code (i.e. Journal of Laws 2019 item 1040 with subsequent changes);

² Art. 6 section 1 letter b of the Regulation of the European Parliament and the Council (EU) 2016/679 of April 27, 2016 on protection of individual persons with regard to the personal data processing and on the free flow of such data, and also repealing Directive 95/46/EC (general regulation on data protection) (Official Journal EU L 119 of 04.05.2016, page 1, with subsequent changes) (hereinafter as the GDPR);

³ Art. 6 section 1 letter a of the GDPR;