



UNIVERSITY
OF WARSAW

Faculty of Mathematics, Informatics and Mechanics
Institute of Applied Mathematics and Mechanics

Warsaw, June 12, 2021

1 postdoctoral position

in the scientific project "The tragedy of the commons in dynamic context – modelling, methodology and prevention"

financed by the Polish National Science Centre (grant number 2019/33/B/HS4/02953)

Principal Investigator: Agnieszka Wiszniewska-Matyszek

Terms of employment: full time, temporary (9 months) agreement, starting on November 1st, 2021, salary 10000 PLN before taxes/per month.

Description of the project:

The aim of the project is to study dynamic games modelling problems of "the tragedy of the commons" type, like e.g. extraction of common or interrelated renewable resources, transboundary pollution, climate change as a result of the greenhouse effect, or spread of resistant bacteria. The project encompasses the following aspects.

- Development of methodology to solve dynamic games and dynamic optimization problems with constraints or irregularities.
- Modelling extraction of common or interrelated resources taking into account spatial allocation.
- Modelling pollution problems.
- Social optimality and its enforcement in models.
- Nash and Stackelberg equilibrium—calculation and/or properties in models.
- Agreements and treaties—self-enforcing international environmental agreements.

Requirements:

- Candidates for the position should have a PhD degree achieved no earlier than 7 years before the starting date of the position. Either PhD should be in mathematical sciences, or in sciences related to another aspects of the project. In the latter case, proficiency in mathematical tools needed in the project has to be proven.
- Research experience related to the topic of the project (documented by publications or preprints) is required, which encompasses
 - game theory, including dynamic games;
 - optimal control theory;
 - game theoretic modelling.
- Familiarity with mathematical packages for symbolic calculations and numerical computation (e.g Mathematica, Matlab) or ability to write numerical programs.
- Fluency in English and LaTeX.

There are also additional requirements for persons applying for this post:

- during last two years before employment in the contract they have not been employed by University of Warsaw under an employment contract;
- during the employment period they should not obtain salary from funds assigned as direct costs in research projects financed by NCN;
- during the employment period they should not obtain salary under an employment contract from any other entity including also entities outside Poland.

Applications: In order to apply for the position candidates should send an e-mail to agnese@mimuw.edu.pl and submit the following documents as attached .pdf files.

1. a cover letter addressed to the Dean of the Faculty of Mathematics, Informatics and Mechanics, University of Warsaw together with the personal data clause (attached);
2. a copy of the PhD diploma or, if the candidate does not yet have a PhD, a copy of the thesis together with a statement concerning the expected date of obtaining the degree (a PhD degree is required at the time of signing the employment contract);

3. a scientific CV with a list of publications and links to published articles and preprints, which are available online;
4. at most three recent publications;
5. a research statement regarding past research and current research plans;
6. In addition, a recommendation letter by a senior researcher is required. It should be sent directly by the referee to the same e-mail address.

Application deadline: August 31st, 2021

Applications which do not satisfy the above requirements or are submitted after the deadline will not be considered for the position.

The applications will be evaluated by a selection committee appointed by the Dean of the Faculty of Mathematics, Informatics and Mechanics, University of Warsaw. The committee will recommend one candidate by September 30th, 2021. The competition is the first stage of the recruitment process as described in the Statute of the University of Warsaw, the recommendation by the selection committee being a basis for its subsequent stages.

A candidate joining the competition should submit a statement that he/she has read become and accept the rules of conducting a competition for the position of an academic teacher at the University of Warsaw in accordance with the ordinance No. 106 of the Rector of the University of Warsaw of September 27 2019, paragraph 1 sec. 4 point 12

<https://monitor.uw.edu.pl/Lists/Uchway/Attachments/5034/M.2019.282.Zarz.106.pdf>.

Prof. dr hab. Paweł Strzelecki
Dean

Agnieszka Wiszniewska-Matyszek
Principal Investigator

.....
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 CV and other submitted documents by the University of Warsaw for realising my recruitment process.

If your documents include data as mentioned in Art. 9 section 1 of the GDPR (special categories of personal data), processing shall be possible upon your consent to processing such data⁴ which may take the following wording:

I agree to the processing of special categories of personal data, as mentioned in Art. 9 section 1 of the GDPR, provided in CV and other submitted documents) by the University of Warsaw for realising my recruitment process.

The University of Warsaw shall be also processing your personal data in future recruitment processes upon your consent⁵ which may take the following wording:

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;

⁴ Art. 9 section 2 letter a GDPR;

⁵ Art. 6 section 1 letter a GDPR;

I consent to processing of my personal data for the purposes of any future recruitment processes at the University of Warsaw for the period of the next nine months.

You may revoke all such consents at any time by, for example, sending an email at

Be advised that the revocation of your consent does not affect legal compliance of processing which had been completed upon consent before its revocation.⁶

Data retention period

Your personal data collected in this recruitment process shall be stored over the period of three months from the date the recruitment process is completed.

In case you agree to process your data in future recruitments, your data shall be used over the period of nine months.

Data recipients

Officers authorized by the Controller shall have access to your personal data, the processing of which is in the scope of their duties.

~~Recipients of personal data may be other subjects obligated by the Controller to provide specific services involving data processing, like~~

.....
(name all recipients of data)

Data transfer outside the European Economic Area (EEA)

Your personal data shall be disclosed to subjects authorized by law. Signing-in is through Google Forms. Your personal data may be also processed by our provider of G-Suit for education by Google Company in their data processing centres.⁷ Your data shall be protected under the standards of the Privacy Shield, accepted by the European Commission.⁸ This shall guarantee an adequate level of data security.

Rights of the data subject

Under the GDPR data subjects have the following rights:

- to access data and to receive copies of the actual data;
- to correct (rectify) your personal data;
- to restrict processing of personal data;
- to erase personal data, subject to provisions of Art. 17 section 3 of the GDPR;
- to file a claim with the President of the Personal Data Protection Office, if you believe data processing violates law.

Information on the requirement to provide data

Providing your personal data in the scope resulting from law is necessary to participate in the recruitment process. Providing other personal data is voluntary.

.....
place and date

.....
applicant's signature

⁶ Art. 7 section 3 GDPR;

⁷ <https://www.google.com/about/datacenters/inside/locations/index.html>

⁸ <https://www.privacyshield.gov>