



UNIVERSITY  
OF WARSAW

Faculty of Mathematics, Informatics and Mechanics

Warszawa, January 15, 2019

## **1 postdoctoral position**

**in the scientific project**

**“Provability, computation and combinatorics**

**at the lower and intermediate levels of the Gödel hierarchy”**

**financed by the Polish National Science Centre (contract 2017/27/B/ST1/01951)**

**Principal Investigator: Leszek Kołodziejczyk**

**Terms of employment:** full-time employment contract for a period of 12 months starting no earlier than **October 1, 2019** and no later than **April 1, 2020**. Salary: 7000 PLN/month pre-tax.

### **Description of the project:**

The project concerns various issues related to the provability of selected theorems from combinatorics and the theory of computation in axiomatic systems of first- and second-order arithmetic. The three main research topics are:

1. Separating hierarchies of relativized bounded arithmetic by means of combinatorial statements.
2. The strength of Ramsey-like theorems in second-order arithmetic, with an emphasis on problems concerning proof sizes.
3. The axiomatic strength required to prove classical decidability theorems, in particular decidability theorems for monadic second-order theories.

### **Requirements:**

- A PhD degree in a discipline related to mathematical logic, obtained no earlier than 7 years before the starting date of the position.
- Research experience in an area of mathematical logic related to the topics of the project (documented by publications or preprints).

During the employment period the employee should not obtain salary under an employment contract from any other entity.

**Applications:** In order to apply for the position candidates should send an e-mail to [lak@mimuw.edu.pl](mailto:lak@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 or a description of the expected contents 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;
4. at most three recent publications;
5. a short research statement describing past research and current research plans.

In addition, two recommendation letters by senior researchers are required. They should be sent directly to the same e-mail address.

Further information about the project and the position can be obtained from the principal investigator by email at [lak@mimuw.edu.pl](mailto:lak@mimuw.edu.pl)

**Application deadline: February 28, 2019**

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

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 **March 31, 2019**. 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.

Prof. dr hab. Paweł Strzelecki  
Dean

dr hab. Leszek Kołodziejczyk  
Project director

Note: this announcement replaces an earlier version from December 2018. The changes consisted in allowing for the possibility that the candidate does not yet have a PhD degree and in a slight extension of the interval in which the period of employment may start.

## INFORMATION ON THE PROCESSING OF PERSONAL DATA

### INFORMATION CLAUSE

Pursuant to Article 13 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation), University of Warsaw hereby informs:

1. The Controller of your personal data is the University of Warsaw with its registered office at Krakowskie Przedmieście 26/28, 00-927 Warszawa;
2. The Controller has designated the Data Protection Officer who supervises the processing of personal data, and who can be contacted via the following e-mail address: [iod@adm.uw.edu.pl](mailto:iod@adm.uw.edu.pl);
3. Your personal data will be processed for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw;
4. The provided data will be processed pursuant to Article 22<sup>1</sup> § 1 of the Act of 26 June 1974 Labor Code (uniformed text: Dz.U. of 2018, item 917) and your consent for processing of personal data;
5. Provision of data in the scope stipulated in the Labor Code is mandatory, and the remaining data are processed according to your consent for processing of personal data;
6. The data will not be shared with any external entities;
7. The data will be stored until you withdraw your consent for processing of personal data;
8. You have the right to access your personal data, to rectify, erase them, restrict their processing, object to processing, and to withdraw the consent at any time;
9. You have the right to lodge a complaint to the President of the Office for the Protection of Personal Data.

### CONSENT CLAUSE

I hereby consent to have my personal data processed by the University of Warsaw with its registered office at ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw.

I have been informed of my rights and duties. I understand that provision of my personal data is voluntary.

.....  
(place and date)

.....  
(signature of the person applying for employment)