

1 postdoctoral research position
in the scientific project *Non-reflexive Banach spaces: Fourier approach vs martingale approach*, financed by National Center of Science, Poland
(project no 2020/02/Y/ST1/00072)
Principal Investigator: Michał Wojciechowski

The NCN project *Non-reflexive Banach spaces: Fourier approach vs martingale approach* led by dr hab. Michał Wojciechowski, is offering a postdoctoral research position at the Faculty of Mathematics, Informatics and Mechanics of the University of Warsaw.

Terms of employment

Selected candidate will be employed on as full-time researcher (pol. *adiunkt w grupie pracowników badawczych*). The duration of employment is for 12 months, with possible extension. The expected starting date is around the 1st of June 2024, up to an agreement between the candidate and the principal investigator. The offered salary is around PLN 7 500 gross/month. The position comes with no teaching obligations and a travel budget. The selected candidate will investigate properties of non-reflexive Banach spaces with tools of harmonic analysis and martingale theory with detailed analysis of similarities and differences between those two theories. In particular the fourier versus martingale approach will be used to study of the spectral properties of Hankel and Toeplitz operators and their analysis.

Description of the project

Part of the project focuses on singular properties of measures and distributions. The main emphasis is put on the following:

- Spectral analysis of Henkel operators in connection with the spectral analysis of pseudodifferential operators;
- Fourier analysis on locally compact groups in connections with the moments problem;
- Fourier analysis in quantum information theory.

Requirements

We expect candidates to have a PhD in Mathematics (or related field) at the time of hiring and to have an excellent background in this field. We also require a record of scholarly achievement (documented by publications) in the area that this project concerns. A good command of English is required. A record of at least a year as a postdoc in a leading center in analysis will be considered as an advantage.

Applications

An application should include Curriculum Vitae that:

- presents an overview of the background and scientific achievements of the candidate;
- lists all the candidate's research works (including not yet published manuscripts);
- contains a list of three experienced researchers that may serve as references for the candidate.

In addition to the above, there should be a **signed cover letter** addressed to the Dean of the Faculty of Mathematics, Informatics and Mechanics, University of Warsaw together with the **personal data clause** (attached). No research statements are required.

Applications, as well as further questions on both the scientific topic of the project and on formal details of the call procedure should be directed to dr. hab. Michał Wojciechowski:

miwoj@impan.pl

In order to apply for the position, candidates should send an e-mail and submit the documents as attached .pdf files.

Application deadline: March, 18th, 2024

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 may invite candidate to a meeting, which will be conducted remotely. The results of the competition will be sent to candidates electronically on April, 15th, 2024 at the latest. 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.

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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 CV 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;

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:

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 sob@mimuw.edu.pl

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

4 Art. 9 section 2 letter a GDPR;

5 Art. 6 section 1 letter a GDPR;

6 Art. 7 section 3 GDPR;

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

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

8 <https://www.privacyshield.gov>