



HR EXCELLENCE IN RESEARCH

FORM FOR EMPLOYERS

INSTITUTION	UNIVERSITY OF WARSAW, FACULTY OF PHYSICS, Institute of Geophysics
CITY	WARSAW, POLAND
POSITION	Post-doc
GROUP	research
DISCIPLINE	Physical sciences and/or Earth and environmental sciences
NUMBER OF POSITIONS	1
POSTED	22 April 2022
EXPIRES	30 May 2022
WEBSITE	http://www.igf.fuw.edu.pl/
KEY WORDS	physics, atmospheric sciences, Earth sciences

DESCRIPTION (field, expectations, comments):

Postdoctoral Research Assistant in sub-grid scale cloud processes in the Next Generation Earth Modelling Systems

The cloud-modeling group at the Faculty of Physics, University of Warsaw invites applications for a postdoctoral position. The post holder is expected to join our team for 36 months.

The successful candidate will join our research groups [Microphysics of Clouds](#) and [Cloud Dynamics and Atmospheric Turbulence](#) and work on HORIZON 2020 project entitled [Next Generation Earth Modelling Systems \(NextGEMS\)](#).

University of Warsaw is involved in [Storms and Radiation](#) part of the project.

When explicitly resolving convective clouds, instead of parametrising them, it becomes all the more important to realistically represent in-cloud turbulent mixing and cloud microphysics, which remain parametrized at storm-resolving scales. A long-term goal is to improve the realism of these processes. Modeled cloud properties will be analyzed in order to identify flaws due to improper representation of turbulent mixing and cloud microphysics. The University of Warsaw Lagrangian Cloud Model (UWLCM) will be used in this research.

The successful candidate will work in close collaboration with other partners of NextGEMS.

Applicants should have a PhD in Physics, Mathematics, Mechanical Engineering, or a related field.

Scientific programming skills are essential. Experience in numerical modeling of turbulent flows, and/or atmospheric flows will be appreciated, experience in cloud modeling or in Lagrangian particle modeling is necessary. The candidate must also possess a very good command of written and spoken English.

The candidate is required to hold a PhD degree by the date of appointment.

The candidates have to conform to the conditions stated in art. 113 of Higher Education Law dated 20.07.2018 (Journal of Laws of the Republic of Poland 2021, item 478).

The applications should include a CV detailing the candidate's experience and research track record. A cover letter outlining the motivation and providing names of two reference persons is also requested.

Skills/Qualifications:

1. PhD in science or engineering,
2. good background in physics or in earth and environmental sciences (atmospheric physics, computational atmospheric science),
3. experience in cloud modeling and in Lagrangian particle modeling,
4. good skills in programming; experience in co-operative programming, knowledge of C++ and Python,
5. good knowledge in programming on GPU.

The candidate should provide the following documents:

Candidates should submit their applications to the Secretariat of the **Institute of Geophysics**, Faculty of Physics, University of Warsaw, Pasteura 5, 02-093 Warszawa, room B4.41, e-mail: Sekretariat.IGF@fuw.edu.pl including:

1. Application for the position.
2. CV with contact information.
3. List of research publications, including number of citations according to the Web of Science database and short description of three most important achievements.
4. Detailed information on candidate's scientific career.
5. Copy of PhD diploma or a formal confirmation of PhD degree (required at the time of employment).
6. Contact information to at least two scientists who can provide opinions on the candidate.
7. A filled-in form: Information on the processing of personal data - information clause and consent clause - attachment to the announcement (available on the website https://bsp.adm.uw.edu.pl/wp-content/uploads/sites/18/2021/01/Kluczula-informacyjna-przy-rekrutacji-do-pracy_11_2019_EN.docx). In case of submitting the application by e-mail, please use the pdf-format and the file should contain a scanned signature.
8. Statement on reading and accepting the rules for job applications for a position of an academic teacher at the University of Warsaw (available on the website <https://www.fuw.edu.pl/dokumenty-i-formularze.html>). In case of submitting the application by e-mail, please use the pdf-format and the file should contain a scanned signature.

The documents listed above as 1-4 and 7-8 should be signed by the candidate.

Questions concerning the post should be addressed to prof. Szymon Malinowski (szymon.malinowski@fuw.edu.pl) or prof Hanna Pawlowska (hanna.pawlowska@igf.fuw.edu.pl).

The decision will be taken not later than 8 June 2022. The candidate may be asked for a qualification interview with the commission appointed by the Dean of the Faculty of Physics. The candidates will be informed individually

Original of documents will be required in case of employment.

This announcement is the first step in the procedure of employing an academic teacher and its positive result will be a base for consecutive steps.

.....
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.

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 (e.g. CV, cover letter, 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 (email address due for the recruitment process).

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>