Institute of Physics of the Polish Academy of Sciences

OPEN POSITION

Job ID: #JOB 49/2020

Job Description

Job Title: Postdoc in Computational Physics

Job Summary:

Droplet dynamics phenomena, such as droplet coalescence, break-up, and impact are ubiquitous and play an important role in many industrial areas (e.g. 3D printing). The planned research tasks in the frame of a Sonata Bis project will involve multiscale computer simulation methods to investigate the coalescence process of droplets laden with various additives, which will allow for a greater control of droplet dynamics towards optimizing technological processes. The obtained results will enable a better understanding of droplet dynamics and its control by investigating various parameters.

Job Description:

The researcher will be involved in the research tasks of the above topic and will work closely with other researchers of the Sonata Bis project headed by Dr Theodorakis. This also includes travelling to Tianjin University where relevant experiments will take place. They will also have further opportunity to interact with the European consortium ThermaSMART (**https://thermasmart.eng.ed.ac.uk**), and to take advantage of associated training opportunities.

Requirements:

- Doctoral degree

- Very good knowledge of a programming language (e.g. C/C++, Python/Cython)

- Good analytical skills

- Experience in molecular/numerical simulation in the field (Computational Fluid Dynamics)

-Ability to work as a team member and effectively communicate

Main research field: Physics

Sub Research Field: Computational Physics

Career Stage: Experienced researcher or 4 – 10 years (Post-doc)

Research Profile (**details**)**:** Recognised researcher (R2)

Type of Contract: Temporary (initially for 12 months with possible extension for another 24 months)

Status: Full-time

Salary: 10 000 PLN per month (grant funding, before obligatory employer and employee social security contributions, ~6 700 PLN net per month)

Contact

More information can be obtained from Dr Panagiotis Theodorakis (e-mail: panos@ifpan.edu.pl).

Application details

Application deadline: December 15, 2020. Applications after deadline are not considered.

Required materials:

- Curriculum Vitae (including list of publications)
- Motivation letter
- Consent to process your personal data
- Two reference letters

All materials should be submitted in electronic form to the address: jobs@ifpan.edu.pl with Job ID in the subject.

DATA PROCESSING UNDER CONSENT FOR THE PURPOSES OF RECRUITMENT

Under Art. 13 sections 1 and 2 of the Regulation of the European Parliament and of the Council (EU) 2016/679 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 Resolution), EU OJ L 119 of 04.05.2016, page 1, as amended, hereinafter referred to as "GDPR", we hereby inform as follows:

1. The Data Controller of the provided personal data is the Institute of Physics of the Polish Academy of Sciences, Al. Lotników 32/46, 02-668 Warsaw, phone (22) 116-2111, e-mail director@ifpan.edu.pl.
2. Contact details to the Data Protection Officer are as follows: e-mail iodo@ifpan.edu.pl
3. Your personal data shall be processed for the purpose of carrying out the recruitment process for the position of Post-doc.
4. Processing of your personal data in scope of: full name, date of birth, correspondence address, information about education and course of past employment shall take place under Art. 22^1 § 1 of the Act of 26 June 1974 - Labour Code. In the scope in which you sent to us more personal data than indicated above, we process your data under the consent granted by you.
5. Your personal data shall be stored for 1 month from completion of the recruitment process. If you grant consent for processing of personal data for future recruitments, we shall process your data until withdrawal of the consent by you, however, no longer than for the period of 6 months from the day of submittal of the application by you.
6. Provision of the abovementioned data in the scope indicated above is a statutory requirement resulting from Art. 22^1 § 1 of the Act of 26 June 1974 - Labour Code, in the remaining scope it is voluntary. Failure to provide the data referred to in Art. 22^1 § 1 of the Act of 26 June 1974 - Labour Code precludes consideration of your candidacy for the offered position.
7. You have the right to access your personal data, to rectify them, erase them, restrict their processing.
8. You may submit a complaint to the Inspector General for the Protection of Personal Data.
9. You have the right to withdraw the consent to process your personal data in the scope in which they were provided at any time. Withdrawing the consent does not affect the lawfulness of processing carried out on the basis of consent before its withdrawal.

Consent content:

☐ *I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents for the purpose of carrying out the recruitment process for the position of post-doc .*

If you want us to consider your candidacy also in the future recruitment processes, please grant the additional consent:

☐ *I grant my consent to the Institute of Physics of the Polish Academy of Sciences to process my personal data contained in the sent recruitment documents in future recruitment processes taking place during 6 months from the day of appearance of this job advertisement.*