



Institute of Physics of the Polish Academy of Sciences

Scholarship for a PhD Student



Job ID: #JOB 10/2020

Job Description

Job Title: PhD student

Job Summary: Droplet dynamics phenomena, such as droplet coalescence and break-up, 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 PhD student 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 includes travel 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:

- Master's degree in Natural Sciences or Engineering
- Good knowledge of a programming language (e.g. Python)
- Good analytical skills
- Experience in simulation and numerical work in the field (Computational Fluid Dynamics, Molecular Dynamics). Professional training in this regard is a plus.
- Ability to work as a team and effectively communicate
- The candidate must have the status of a PhD student in Poland.

Main research field: Physics

Sub Research Field: Fluid Dynamics

Career Stage: Early stage researcher or 0-4 yrs (Post-graduate)

Research Profile ([details](#)): First Stage Researcher (R1)

Type of Contract: Fixed term (48 months with possible extension for another 6 months)

Status: full-time

Salary: 5000 PLN per month (grant funding, before obligatory employer and employee social security contributions)

Contact

More information can be obtained from

Dr Panagiotis Theodorakis (e-mail: panos@ifpan.edu.pl)

Application details

Application deadline: 15.6.2020 Later applications will not be considered.

Required materials:

- Curriculum Vitae (including list of publications)
- Documents confirming PhD student or student status
- Consent to process your personal data

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

Information clause in the process of recruitment for studies

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, i.e. the entity deciding how your personal data are used, is the Institute of Physics of the Polish Academy of Sciences, represented by the Director, with its registered office in Warsaw Al. Lotników 32/46. You can contact the Data Controller using one of the contact forms available at: phone (22) 116-2111, e-mail director@ifpan.edu.pl.
2. The Director of the Institute of Physics of the Polish Academy of Sciences has appointed a Data Protection Officer (DPO) with whom you may contact in matters regarding your personal data. You may contact the Officer sending an e-mail to: iodo@ifpan.edu.pl
3. Your personal data shall be processed in order to perform the process of recruitment for studies;
4. The basis for processing of your personal data are provisions of the Act on Higher Schools and Education (consolidated text: Journal of Laws of 2018, item 1668);
5. Your personal data shall be processed for the period of 6 months upon completion of the recruitment process and in case of admission to studies, according to the course of the studies, and then they shall be archived according to the applicable provisions;
6. Your personal data shall not be made available to any other entities save for entities authorised under the provisions of the law. Employees and members of the university recruitment committees authorised by the Data Controller will have access to your personal data;
7. Providing personal data by you is voluntary, but failure to provide them precludes participation in the recruitment process;
8. You have the right to access the contents of your personal data and you have the right to rectify them, erase them and restrict their processing;
9. You can submit a complaint to the Inspector General for the Protection of Personal Data if you find that their processing violates provisions of the General Data Protection Regulation.

Consent for processing:

I grant my consent for processing of my personal data by the Institute of Physics of the Polish Academy of Sciences in order to ensure conditions of full participation in the process of recruitment for studies. I provide the personal data voluntarily and declare that they are true. I have familiarised myself with the content of the information clause, including the information about the purpose and methods of processing of personal data and right to access the content of my data and the right to rectify them.

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Date, candidate's signature