



Two postdoctoral positions in the project

Dissipative systems in fluid dynamics

Appointment period: **30 months**

Appointment type: **Full-time employment contract**

Starting date: **July 1, 2024**

Salary: **CZK 48 000 per month**

Deadline for applications: **April 30, 2024**

The Institute of Mathematics of the Czech Academy of Sciences (IM CAS) is seeking two researchers for the project “Dissipative systems in fluid dynamics” coordinated by Prof. Eduard Feireisl and funded by the Czech Science Foundation. Applications are invited from candidates who have completed their PhD within the last 5 years (or will have completed it before the time of hiring), and who have a strong background in the mathematical theory of fluid dynamics. Excellent knowledge of PDEs and functional analysis, including the framework of Sobolev spaces and weak solutions, is required. Both postdoctoral fellows will concentrate on the concept of generalized solutions. One fellow will focus on the applications of the abstract theory for designing efficient numerical schemes, the second one will work on the stability of solutions and their asymptotic behaviour under general, possibly stochastic perturbations. The positions are granted for a maximum of 30 months starting 1 July 2024.

We require verbal and written English communication skills and the ability to work both independently and collaboratively. Publications, as well as other activities and professional achievements, will be judged by the stage of the applicant's career.

The successful applicant will be based at the Institute of Mathematics of the Czech Academy of Sciences, Prague, and will perform research in the areas of the project. He/she is also expected to take part in activities of the Department of Evolution Differential Equations such as seminars and workshops organized by the group. No teaching is involved.

Questions and informal inquiries should be directed to Dr. Beata Kubis, to her email address kubisb@math.cas.cz

The following documents are required:

1. **CV**
2. **list of publications**
3. **motivation letter (may contain a short research statement)**
4. **two letters of reference**

Application for the position must be submitted **exclusively using the electronic submission system** at <https://application.math.cas.cz/Positions.html>

Equal opportunities are an integral part of the IM CAS personnel policy. The IM CAS fosters the compatibility of work and family and encourages applications from qualified female researchers. Disabled applicants will be given preference in case of equal qualifications.

Only complete applications (including the letters of reference) received by April 30, 2024, will be considered. Online interviews with shortlisted applicants will be scheduled from May 9 to 10, 2024. All applicants will be notified by May 24, 2024.

Tomáš Vejchodský, Director