



Postdoctoral position in the project

Solving ill posed problems in the dynamics of compressible fluids

Appointment period: **30 months** (until December 31, 2023)

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

Starting date: **July 1, 2021**

Salary: **CZK 44 000 per month**

Deadline for applications: **March 22, 2021**

The Institute of Mathematics of the Czech Academy of Sciences (IM CAS) is seeking a researcher for the project "Solving ill posed problems in the dynamics of compressible fluids" coordinated by professor Eduard Feireisl and funded by the Czech Science Foundation.

We invite applications from candidates who have completed their PhD degree in Mathematics, within the last 2 years or will complete their PhD before July 2021. Applicants should have a good background in mathematical analysis and the theory of partial differential equations. Knowledge of the modern theory of partial differential equations, Sobolev spaces and weak solutions is necessary. Experience with applications to models in fluid dynamics is also expected.

We require verbal and written English communication skills and 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 in the Institute of Mathematics of the Czech Academy of Sciences, Prague, and perform mathematical 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.

For more detailed information about the project, please contact the Principal Investigator of the project Eduard Feireisl feireisl@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 before March 22, 2021, will be considered. All applicants will be notified by April 6, 2021.

This is a 30-months appointment with no possibility of extension.

Tomáš Vejchodský, Director