



Postdoctoral position in the project

Qualitative Theory of the MHD and Related Equations

Appointment period: **12 months (with possible extension until December 31, 2023)**

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

Starting date: **March 1, 2022 (or upon agreement)**

Salary: **CZK 45 000 per month**

Deadline for applications: **February 13, 2022**

The Institute of Mathematics of the Czech Academy of Sciences (IM CAS) is seeking a researcher for the project “Qualitative Theory of the MHD and Related Equations” coordinated by professor Jiří Neustupa and funded by the Czech Science Foundation.

We invite applications from candidates who have completed their PhD degree in Mathematics within the last 5 years. Applicants should have a good background in the modern theory of partial differential equations and related functional analysis, and mathematical analysis applied to problems of fluid dynamics (the Navier-Stokes equations). Knowledge of basic qualitative theory of the equations of magneto-hydro-dynamics is welcome.

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 at 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.

Questions and informal inquiries should be directed to Dr. Beata Kubiś, the Scientific Manager of the Institute, 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 before the deadline will be considered. Online interviews with shortlisted applicants will be scheduled for the week from February 15 to February 18, 2022. All applicants will be notified by February 24, 2022.

Tomáš Vejchodský, Director