Ph.D. Student position in the Mathematical Thermodynamics of Fluids

Appointment Period: 2 years

Starting date: May 1st, 2016

Salary: approximately EUR 22,000 p.a. (before taxes)

A two-year Ph.D. student position is available, with the goal to work in the framework of the European Research Council Advanced Grant Mathematical Thermodynamics of Fluids (MATHEF) under the direction of Professor Eduard Feireisl.

The successful candidate will enroll and fully participate in the PhD programme of the Faculty of Mathematics and Physics of the Charles University in Prague (exceptionally certain other Czech universities could be considered).

The successful candidate will be based in the Institute of Mathematics of the Czech Academy of Sciences in Prague, performing mathematical research on the part of the project devoted to the mathematical theory of the Navier-Stokes-Fourier and related systems, the problems of well posedness, regularity, the multi-scale analysis and mathematical treatment of the associated singular limits, as well as related numerical issues. The applicant is also expected to take part in the activities of the research group of the Institute of Mathematics, in particular, the seminars, international schools, and workshops.

Applications are invited from candidates who have completed or will complete his/her master degree in Mathematics (or related discipline) before September 30, 2016, with good knowledge of mathematical analysis, the theory of partial differential equations including basic knowledge of numerical methods. Publications as well as other activities and professional achievements will be judged by the stage of his/her career. Basic knowledge of the English language is required. Informal enquiries should be directed to the Project Manager, Dr. Beata Kubis (kubisb@math.cas.cz).

The following documents are required:

1. **cover letter** (including basic personal data)

2. **CV**

3. **1 letter of reference**

Application for the position must be submitted exclusively using the electronic submission system at

https://application.math.cas.cz/Positions.html

Only complete applications (including the letters of reference) received before March 18, 2016 will be considered. Applicants will be notified by March 31, 2016.

Jiří Rákosník
Director