

Centre of analysis and numerics for fluid-structure interactions at Charles University

<https://fsi.karlin.mff.cuni.cz/>

The Faculty of Mathematics and Physics of Charles University, Prague opens **two postdoc positions** within the **ERC-CZ Grant LL2105**, supported by the Ministry of Education, Youth and Sport of the Czech Republic: *"The interaction of fluids and solids"*, <https://fsi.karlin.mff.cuni.cz/>

Research overview: The working group studies various subjects in continuum mechanics, in particular solid mechanics and fluid-mechanics. The methods of study are those of mathematical analysis in partial differential equations and in the calculus of variations. The central ambition are investigations for fluid-solid interactions.

Job description: We seek mathematicians to strengthen the team of **Sebastian Schwarzacher** and **Barbora Benesova** at the Department of Mathematical Analysis and, in particular, to apply/develop analysis or numerics to fluid-structure problems studied within the project. Thus the ideal candidate has already contributed within at least one of the following scientific areas:

- Analysis for models of solid or fluid mechanics**
- Numerics for models of solid or fluid mechanics**
- Calculus of Variations**
- Analysis for evolutionary PDEs**

The **postdoc positions** are for **3 years** (1+2). The earliest possible start is January 2024 and should be filled by October 2024. The successful candidates will be hired by the Faculty of Mathematics and Physics and receive a gross salary of 60000 CZK (around 2440 €) per month; the candidates will have access to substantial travel funds.

In case of interest please send your application until **10.12.2023** by email to **schwarz@karlin.mff.cuni.cz**. The application should be a single PDF file and include a CV, a research statement and the copy of the PhD diploma or if not available the master diploma. Two letters of recommendation should be sent separately.

Contact:

Barbora Benesova, benesova@karlin.mff.cuni.cz
www.karlin.mff.cuni.cz/~benesova

Sebastian Schwarzacher, schwarz@karlin.mff.cuni.cz
www.karlin.mff.cuni.cz/~schwarz

We also have free PhD positions! In case of interest please contact us!