Institute of Mathematics of the AS CR, v.v.i.

Žitná 25, 115 67 Praha 1
Czech Republic

Ph.D. Student position in the project
Feasibility, logic and randomness in computational complexity

Appointment Period: up to 4 years

Starting date: 1 January 2015

Salary: approximately EUR 22,000 per annum (before taxes)

A four-year Ph.D. student position is available, with the goal to support the elaboration of the applicant's Ph.D. Thesis in the framework of the European Research Council Advanced Grant

Feasibility, logic and randomness in computational complexity **(FEALORA)**

under the direction of Professor Pavel Pudlák.
For a description of this project, see http://www.math.cas.cz/~pudlak/description.pdf

The successful candidates will enroll in the PhD program of the Faculty of Mathematics and Physics of the Charles University in Prague. Note that many courses at Charles University are given in English, so any knowledge of the Czech language is not required.

The Institute of Mathematics of the Academy of Sciences of the Czech Republic in Prague will provide them with office space and salary. The thesis will be supervised by the principal investigator of the project (or by one of his co-investigators). The students are expected to research problems related to the project. Further, they should also take part in other activities of the research group of the Institute of Mathematics such as the seminars and workshops.

If no suitable candidates for the entire PhD program are found, this position may also be used for those that already started their study elsewhere and want to spend only part of their studies in Prague.

Applications are invited from candidates who have completed, or will complete their master degree in Mathematics, or Theoretical Computer Science before December 31, 2014, and who have good knowledge of mathematical logic and/or computational complexity. At least basic knowledge of English is required.

Informal enquiries should be directed to the Project Manager, Dr. Beata Kubis (kubisb@math.cas.cz).

The following documents are required:

1. **CV** (including a list of taken courses on computational complexity and logic)

2. list of publications and presentations

3. motivation letter

4. letter of reference

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

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

Only complete applications (including the letter of reference) received before **December 23, 2014** will be considered.

Applicants will be notified by December 31, 2014.