

## AVAST Fellowship in machine learning and data science at the Institute of Computer Science CAS in Prague, Czech Republic

The Institute of Computer Science (ICS) of The Czech Academy of Sciences in cooperation with AVAST Software (AVAST) is offering a one-year fellowship for an outstanding and enthusiastic researcher, PhD holder, from all over the world, open to cooperation with some of the scientific teams of the ICS ([www.cs.cas.cz](http://www.cs.cas.cz)) and with AVAST research teams.

**The candidate will join two AVAST Fellows who started an intensive research effort last year. As a recognition of their performance, their Fellowship has been prolonged and funding for a new Fellowship was made available.**

### Focus

**Are you interested in mathematical modeling, machine learning, statistical methods or data science? Are you attracted by applications into computer security? We are looking for candidates interested in basic and applied research motivated by the need to protect users from the increasingly sophisticated malware ecosystem. You will join a team of ICS and AVAST researchers and focus on developing strategies to combat malware proliferation. Promising methods you develop will be implemented in systems that protect and affect over 200 million users.**

Publishing research findings through scientific reports, research proposals and scientific papers is envisaged, taking into account spheres of free and protected research specified by AVAST (due to the nature of the research and sensitivity of the data).

The Fellow will have an opportunity to contribute to a range of projects including machine learning applications in computer security and big data analysis of behavioral data collected from millions of Internet users over extended periods of time.

### Conditions

The fellowship is of 12 months duration, prolongation is possible.

Starting date: July 1, 2015 or upon agreement, but not later than September 30, 2015.

Applications will be accepted until the position is filled.

The applications are to be sent to [ics@cs.cas.cz](mailto:ics@cs.cas.cz) and should contain:

1. Curriculum Vitae.
2. Brief description of applicant's research interests and their relevance to computer security in general and malware detection in particular.
3. Three recommendation letters – at most one from ICS and at most one from the applicant's current affiliation. The referees should send their recommendations directly to [ics@cs.cas.cz](mailto:ics@cs.cas.cz).

Applicants must:

1. Have completed the PhD before starting the grant (a proof will be requested).
2. Have obtained a PhD degree during the last 10 years (prior to the application deadline) in Computer Science, Mathematics, Engineering or other related discipline, and have a strong publication record, commensurate with opportunity and experience.
3. Be fluent in English.

This is a full-time fixed term contract appointment.

For further information please contact [ics@cs.cas.cz](mailto:ics@cs.cas.cz).

Michal Chytil, director

*AVAST Software ([www.avast.com](http://www.avast.com)), maker of the most trusted antivirus in the world, protects nearly 200 million people, computers and mobile devices with its security applications. In business for over 25 years, AVAST is one of the pioneers in the computer security business, with a portfolio covering everything from free antivirus for PC, Mac, and Android, to premium suites and services for both consumers and business. In addition to being top-ranked by consumers on popular download portals worldwide, AVAST is certified by, among others, VB100, AV-Comparatives, AV-Test, OPSWAT, ICSA Labs, and West Coast Labs.*