MUNI
FACULTY
OF INFORMATICS

**Masaryk University
Brno, Czech Republic**

Open Positions

**Tenure-track Position
in Cybersecurity**
1 March 2020

**PostDoc Positions
in Computer Science**
29 February 2020

Tenure-track Position in Cybersecurity

Masaryk University
Faculty of Informatics

Location	**Brno, Czechia**
Monthly salary	**CZK 46,000 to 74,000**
	EUR 1,830 to 2,950
Hours	**full-time**
Contract type	**tenure-track**
Applications due	**1 March 2020**
Employment start date	**by mutual agreement**
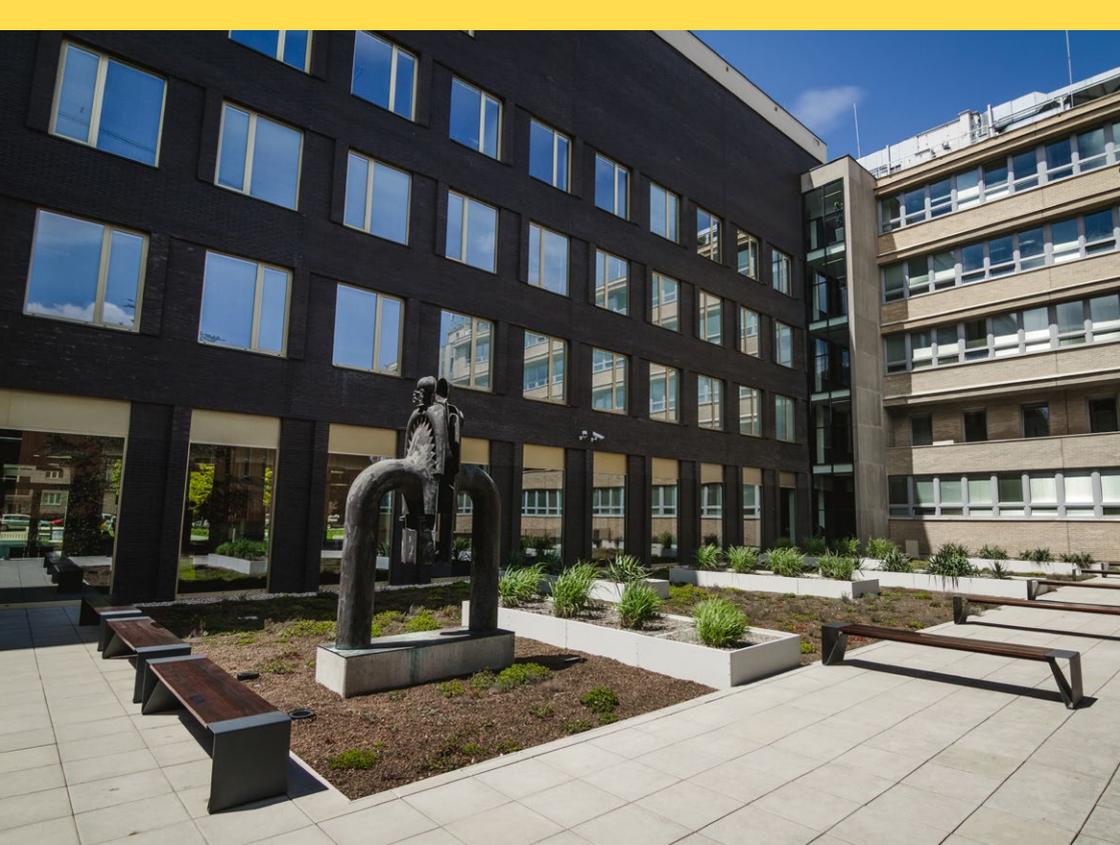
Description

The Dean of the Faculty of Informatics MU invites applications for one position of Assistant Professor in Cybersecurity, with the Department of Computer Systems and Communications. This position is aimed to strengthen the work of the Centre for Research on Cryptography and Security (CRoCS – crocs.fi.muni.cz) at the Faculty of Informatics. CRoCS works to improve security and privacy of real-world solutions through applied research (often in cooperation with industry) and advanced education of future security professionals. System security or network security focus are most desired, yet the abilities to work with a team of graduate students and faculty on research targeting top security/crypto conferences and to engage both undergraduate and graduate students in both educational and research exercises are most critical.

Job Description Keypoints

– Active international cooperation, in both
  research and education
– Involvement in teaching in the cybersecurity area
– Supervision of master's or bachelor's theses
  and consultancy or co-supervision of PhDs
– Involvement in expanding industrial
  cooperation in the cybersecurity area

Requirements

– PhD in Informatics or related discipline
– Passion for problem solving and desire for
  continuous improvement in teaching skills
– Existing track record in both education
  and research in the IT security area
– Expert knowledge in at least one of the
  areas covered by courses:
    – PV181 Laboratory of Security and Applied Cryptography
    – PA193 Secure coding principles and practices
    – PA197 Secure Network Design
– Practical involvement in the development phase of
  software project(s) with ability to demonstrate tools
  developed and showcase data analyses performed
– Flexible personality, able to work well in teams
– Languages – fluent English (both spoken and
  written), other language(s) welcome
– Experience from other countries than
  Czech & Slovak republics (at least half a year)

Desired Skills and Achievements

– Experience with research project team
  leadership is an advantage
– Experience with research achievements published at
  the top security conferences or best journals publishing
  cybersecurity or applied cryptography research results
– Ability to work well in interdisciplinary teams
– Successfully defended bachelor and/
  or master theses supervised
– Open-source projects development and maintenance

Other Information

The starting salary for this Assistant Professor position is 74,000 CZK, and with the progress in this tenure-track position can in no more than 3 years be modified based on the level of involvement in research and educational projects. Candidates with borderline record and/or missing skills may be offered a Lecturer position for the start of their engagement. The monthly salary for the Lecturer position 46,000–55,000 CZK.

Applicants should submit

– CV;
– degree documents;
– summary of work experience, publication and teaching activities and involvement in research grants;
– cover letter explaining your interest in the position and the IT area;
– title and abstract of a lecture that can be presented as a part of the application process;
– names and contacts of three professional and language referees.

Applications should be submitted through the university job application system at muni.cz/en/about-us/careers/vacancies/51351.

Any queries regarding the submission shall be sent to pers@fi.muni.cz.

The submission deadline is **1 March 2020.**

Queries regarding the position as such can be addressed to prof. Vashek Matyas, matyas@fi.muni.cz.

Postdoc Positions in Computer Science

**Masaryk University
Faculty of Informatics**

Location	**Brno, Czechia**
Monthly salary	**CZK 63,000**
	EUR 2,510
Hours	**full-time**
Contract type	**fixed-term (two years)**
Closes	**29 February 2020**
Employment start date	**by mutual agreement**
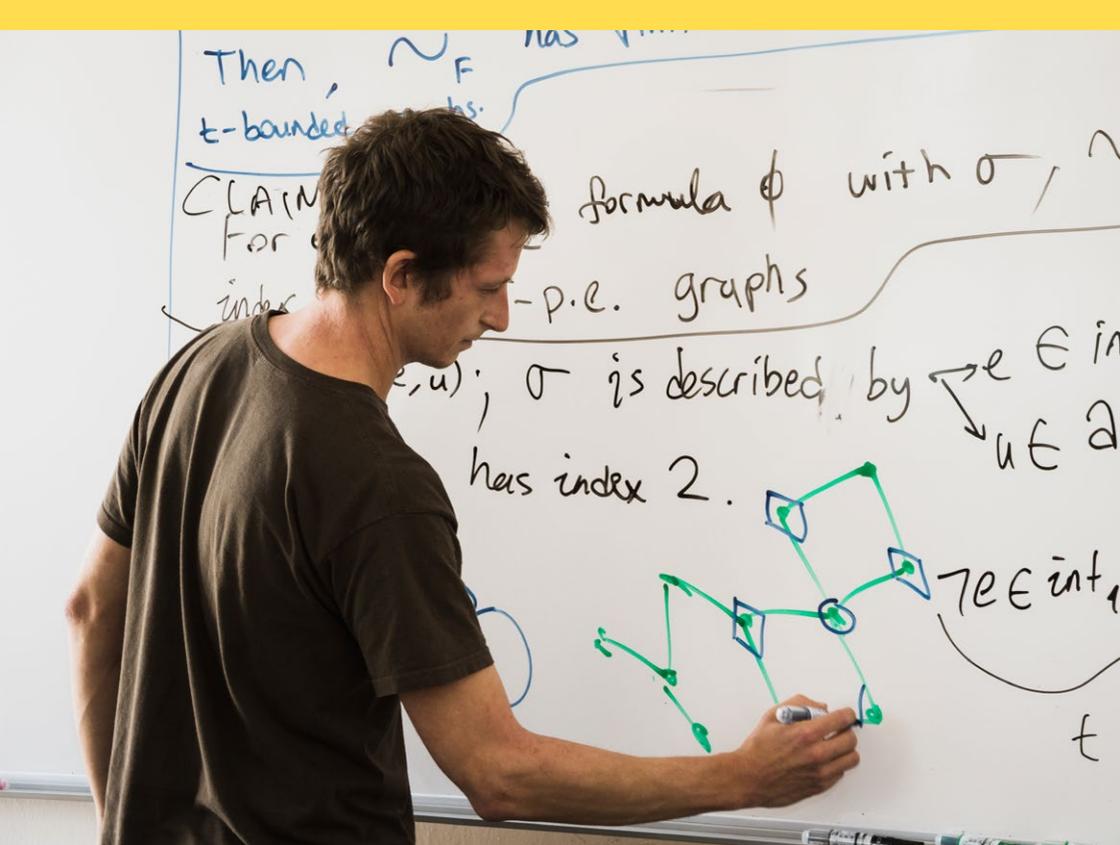
Description

The Faculty of Informatics of Masaryk University (FI MU) in Brno is a leading research institution in the field of Computer Science in the Czech Republic. FI MU has strong international research potential in many areas from basic science to industrial applications. Furthermore, Brno with its many IT companies is often called the Silicon Valley of Central Europe.

The Faculty of Informatics of Masaryk University invites applications for two **two-year Postdoc positions** in Computer Science, with an emphasis on one of the following research areas:

– Algorithms and Complexity
– Big Data Analytics
– Computer Security and Applied Cryptography
– Critical Information Infrastructures
– Formal Methods
– Human-Computer Interaction
– Image Analysis and Processing
– Information Retrieval
– Logic and Automata
– Machine Learning and Data Mining
– Management of Data
– Natural Language Processing
– Quantum Information Processing
– Scheduling snd Planning
– Virtual snd Augmented Reality
– Visualisation

The monthly salary is 63,000 CZK (more than **29,000 EUR per year** at total). Additional funds will be available for travel and material expenses.

The successful candidate must

– be a researcher who has received a PhD or its equivalent ideally within the last 7 years;
– be a researcher who has worked at least two whole years within the last three years outside the territory of the Czech Republic in the field of research or as a PhD student (or equivalent) abroad;
– have a publishing record – during the last three years at least two publication outputs registered in the WoS or Scopus databases and (at the same time) marked as "article", "book", "book chapter", "letter" or "review";
– be fluent in English, while prior knowledge of Czech is not required.

Specific selection criteria include

– background and a strong research record in one
 of the research areas listed above, and willingness
 to work on topics which are in the current
 research focus of the Faculty of Informatics;
– publishing record at some of the top international
 Computer Science conferences (according to
 the CORE ranking) in the research area;
– potential candidates are also strongly advised to
 informally contact the matching research group(s) at
 the Faculty of Informatics (see fi.muni.cz/research/)
 before submitting their application.

Anticipated start date: Available from May 2020 and should
be started by September 2020 at the latest.

The application with further information is available online at:
muni.cz/en/about-us/careers/vacancies/52171.

The submission deadline is **29 February 2020.**

For informal enquiries, but not for your application,
use an e-mail postdoc2020@fi.muni.cz.

Faculty of Informatics Masaryk University

Tradition and Prestige

Masaryk University is the second largest university in the Czech Republic. Its Faculty of Informatics (FI) was established in 1994 as the first independent Computer Science faculty in the country. The faculty's high level of scholarship has earned it an excellent research rating in various applied and theoretical areas of Computer Science and Information Technology. According to the national ranking, CERGE EI 2016, we have the best informatics research results in the Czech Republic.
We are proud of:

– long-standing cooperation with industral partners;
– 54% of foreign students;
– excellent job opportunities for graduates and also part-time jobs and internships for students;
– CERIT Science Park cerit.fi.muni.cz;
– Cyber Exercise & Research Platform kypo.fi.muni.cz.

21 Research Laboratories

The faculty is a home to a diverse group of research laboratories and centres where students at all levels participate in research under the guidance of skilled academics. Since 2018, the faculty hosts a prestigious grant from the European Research Council. Students acquire hands-on experience with leading-edge technologies and make contact with the latest findings from around the world. They have a natural opportunity to participate in research projects—even undergraduates at the faculty have published original research results in international journals.

Areas of Research

Scientific research at the FI is organized rather informally, within flexible research groups which can quickly respond to current challenges and trends in the scientific world. At the FI we address research questions and problems from all fields of informatics and related disciplines. Research groups, structured according to the ACM 2012 classification:

– Applied Computing
– Artificial Intelligence
– Computer Systems Organization
– Computing in Life And Medical Sciences
– Hardware
– Human-Centered Computing and HCI
– Information Systems
– Mathematics of Computing
– Networks
– Security and Privacy
– Software and Its Engineering
– Theory of Computation

Teaching

We offer 3 bachelor's programs, 6 master's programs (3 of them are given in English) and doctoral study programme Computer Science.
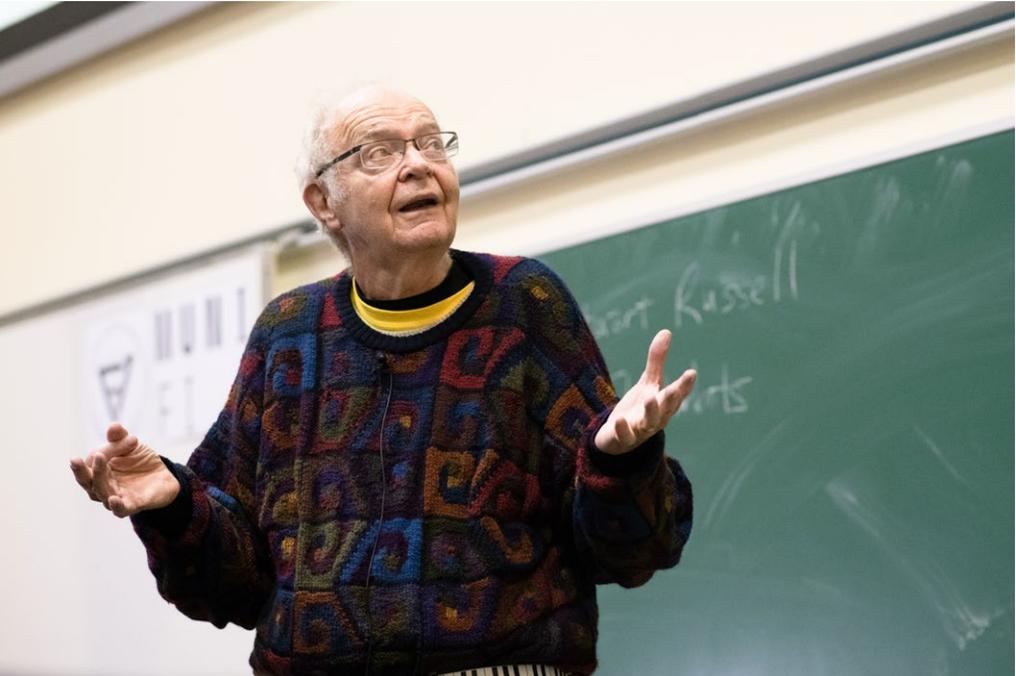
Connection with Renowned Scientists

In 2019 two holders of the ACM Turing Prize, Donald E. Knuth and Dana Scott, held lectures at Masaryk University and the Faculty of Informatics. Donald E. Knuth has a strong relation to the FI, and since 1996 has been Doctor honoris causa in the field of mathematical sciences of the Masaryk University on the proposal of the FI. In 2019 the Faculty of Informatics established Donald E. Knuth Professor chair, currently held by prof. Daniel Kráľ.

Living in Brno

Boasting a vibrant history, prosperous business excellence, 14 flourishing universities and a thriving cultural life, Brno is a city of innovation and diversity. It is at the heart of the South Moravian region and its 400,000 residents make it the second largest city in the Czech Republic.

Whether you are here on business, immersing yourself in the opulent cultural scene, taking a stroll through Brno's stunning parks and surrounding nature, familiarising yourself with its rich history, relaxing with a glass of locally-grown wine or visiting the adrenalin-pumped world-famous MotoGP, Brno truly is the place to be.

Brno enjoys fast growing centres of business, trade, science, Information Technology, research and innovation with its business incubators and centres of excellence in science (JIC, CEITEC, etc.) making it a significant global contender within these sectors attracting local and global interest, as well as foreign direct investment. The Brno Exhibition Centre ranks among the largest exhibition centres in Europe, pulling in visitors from all over the world.

Facts about Brno

– Brno has **almost 90,000 students** studying at its
  14 universities and 3 university campuses. The graduates
  provide a **rich resource of employees** that push the
  boundaries of Brno's blossoming business sectors
– **Strategic geographic position** within Central Europe with excellent
  transport accessibility, **including an international airport**
– **High quality of life**—cultural and sports centre, historical
  sights (Villa Tugendhat, a UNESCO site), functionalist
  architecture, shopping centres and services for leisure time
– **Beautiful natural environment**
– **The Brno Expat Centre,** joint project of Brnopolis, c.a. and
  Brno Municipality (City Strategy Office), acts as a service office
  catering to the needs of foreign skilled professionals who are
  living or working in Brno or who plan to live or work here
– **Modern, dynamic and fast growing centre of industry,** trade,
  science, Information Technology, research and innovation with
  business incubators and centres of excellence in science
– Important **centre of international trade fairs** and exhibitions

Contacts

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