

M U N I
F I

Masaryk University
Faculty of Informatics

Open Positions

Associate Professor
in Computer Networks and Systems

February 28, 2021

Position (tenure-track)
in Cybersecurity

February 28, 2021

Lecturer
in Programming
and Foundations of Computer Science

December 31, 2020

Associate Professor in Computer Networks and Systems

**Masaryk University
Faculty of Informatics**

Location	Brno, Czech Republic
Monthly salary	CZK 109,000 EUR 4,000 (approx.)
Hours	full-time
Contract type	tenure-track
Applications due	February 28, 2021
Employment start date	by mutual agreement



The Dean of the Faculty of Informatics MU invites applications for the position of **Associate Professor in Computer Networks and Systems**, within the Department of Computer Systems and Communications.

Job Description Key Points

- Involvement in teaching in the area of Computer Networks and eventually Computer Systems
- Supervision of Master/Bachelor theses and consultancy or co-supervision or supervision of PhD students
- Active involvement in or leadership of research activities
- Active international cooperation in both research and education
- Involvement in industrial cooperation in the area of Computer Networks and Systems

Requirements

- PhD in Computer Science, Computer Technology, 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 areas related to computer networks, systems, and communications
- Expert knowledge in at least one of the areas covered by courses:
 - [PA151 Advanced Computer Networks](#)
 - [PA150 Principles of Operating Systems](#)
 - [PA197 Secure Network Design](#)
- Dynamic, flexible personality, able to work well in teams
- Experience with research or development project team leadership
- Languages – fluent English (both spoken and written), other languages welcome
- Experience from other countries than Czech & Slovak republics (at least half a year) or proof of other extensive international experience (e.g., international project leadership)

Desired Skills and Achievements

- Experience with research project team leadership is an advantage
- Experience with research achievements published at high-quality conferences or journals
- Ability to work well in interdisciplinary and international teams
- Successfully defended Bachelor and/or Master theses supervised
- Open-source software projects development and maintenance

Other Information

The starting salary for this Associate Professor position is 109,000 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 at an earlier career stage or with skills shortages may be offered an Assistant Professor position. The starting monthly salary for this position is 80,000 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.

Please submit your application, including all required documents, preferably online via the MU e-application at muni.cz/en/about-us/careers/vacancies/59435.



In case this way of submission would not be possible, we also accept a paper application with a declaration of the reason for such submission.

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

Queries re. the position as such can be addressed to Associate Prof. Eva Hladká, eva@fi.muni.cz.

Position (tenure-track) in Cybersecurity

**Masaryk University
Faculty of Informatics**

Location	Brno, Czech Republic
Monthly salary	CZK 80,000 EUR 3,000 (approx.)
Hours	full-time
Contract type	tenure-track
Applications due	February 28, 2021
Employment start date	by mutual agreement



The Dean of the Faculty of Informatics MU invites applications for the 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](#)) at the Faculty of Informatics. CRoCS works to improve the 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 is 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 Key Points

- Active international cooperation in both research and education
- Involvement in teaching in the cybersecurity area
- Supervision of Master/Bachelor 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 the ability to demonstrate tools developed and showcase data analyses performed
- Dynamic, flexible personality, able to work well in teams
- Languages – fluent English (both spoken and written), other languages 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 80,000 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 a 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 is 49,000 CZK.

Applicants should submit

- CV and 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.

Please submit your application, including all required documents, preferably online via the MU e-application at muni.cz/en/about-us/careers/vacancies/59434.



In case this way of submission would not be possible, we also accept a paper application with a declaration of the reason for such submission.

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

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

Lecturer in Programming and Foundations of Computer Science

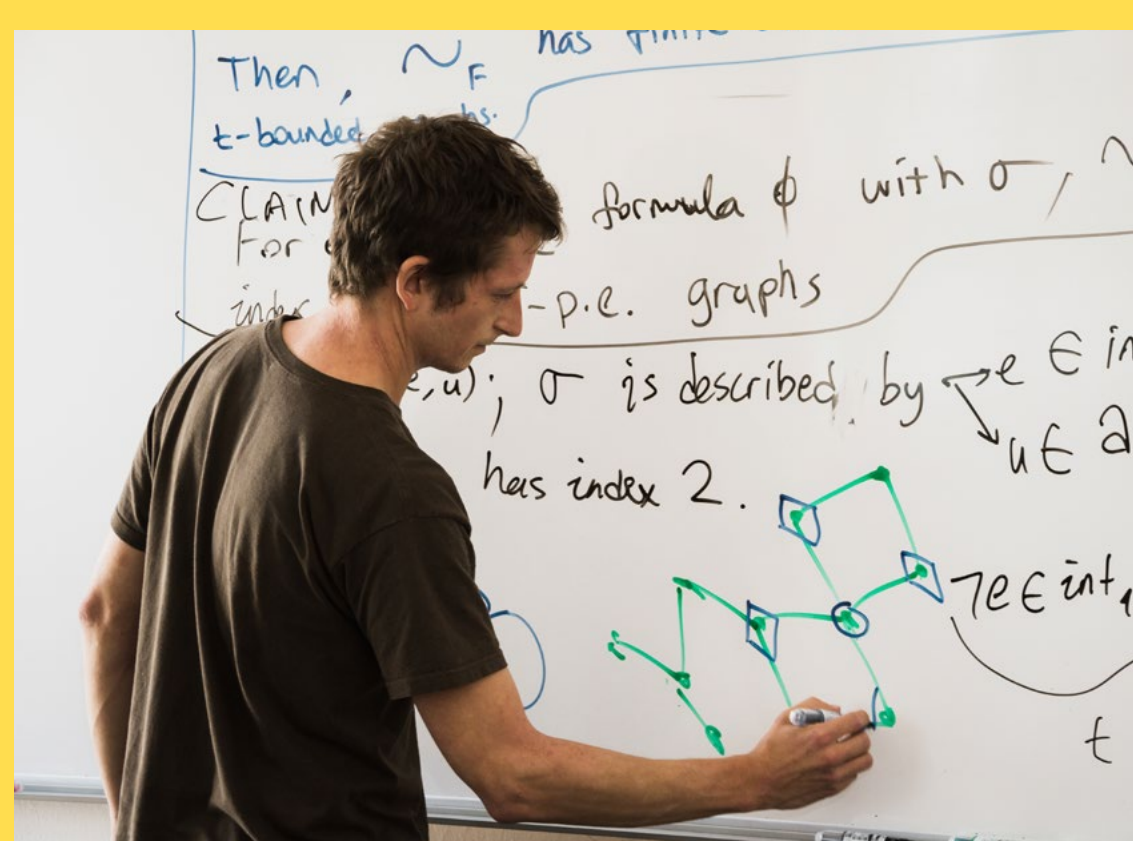
**Masaryk University
Faculty of Informatics**

Location
Monthly salary

**Brno, Czech Republic
CZK 49,000
EUR 1,800 (approx.)**

Hours
Applications due
Employment start date

**full-time
December 31, 2020
February or March 2021**



The Dean of the Faculty of Informatics of Masaryk University invites applications for the position of **Lecturer in Programming and Foundations of Computer Science**.

Job Description Key Points

- Tutoring of programming and programming skills in various programming languages and paradigms at Bachelor and Master degree levels
- Tutoring introductory courses on theoretical foundations of Computer Science at Bachelor level
- Preparing, running, and coordinating hands-on seminars as part of the teaching duties
- Development and support of a homework assignment submission and auto-grading system
- Taking part in preparation, realization, and evaluation of exams
- Continuous improvement of personal teaching skills

The successful candidate must have

- a Master Degree in Computer Science, Informatics, or related discipline;
- a passion for problem-solving and a desire for continuous improvement in teaching skills;
- a programming experience, preferably in several programming languages and paradigms;
- existing experience with the teaching of programming skills or programming languages;
- an ability to work well as a team member or leader;
- fluent Czech or Slovak language skills.

Other Information

The monthly salary is 49 000 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;
- 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.

Please submit your application, including all required documents, preferably online via the MU e-application at muni.cz/en/about-us/careers/vacancies/59414.



In case this way of submission would not be possible, we also accept a paper application with a declaration of the reason for such submission.

Any queries re. the submission shall be sent to pers@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 industrial 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;
- organization of conferences: Text, Speech and Dialogue; Computational Methods in Systems Biology 2018; EuroVis 2018; CEQIP or DIMEA Days.

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.

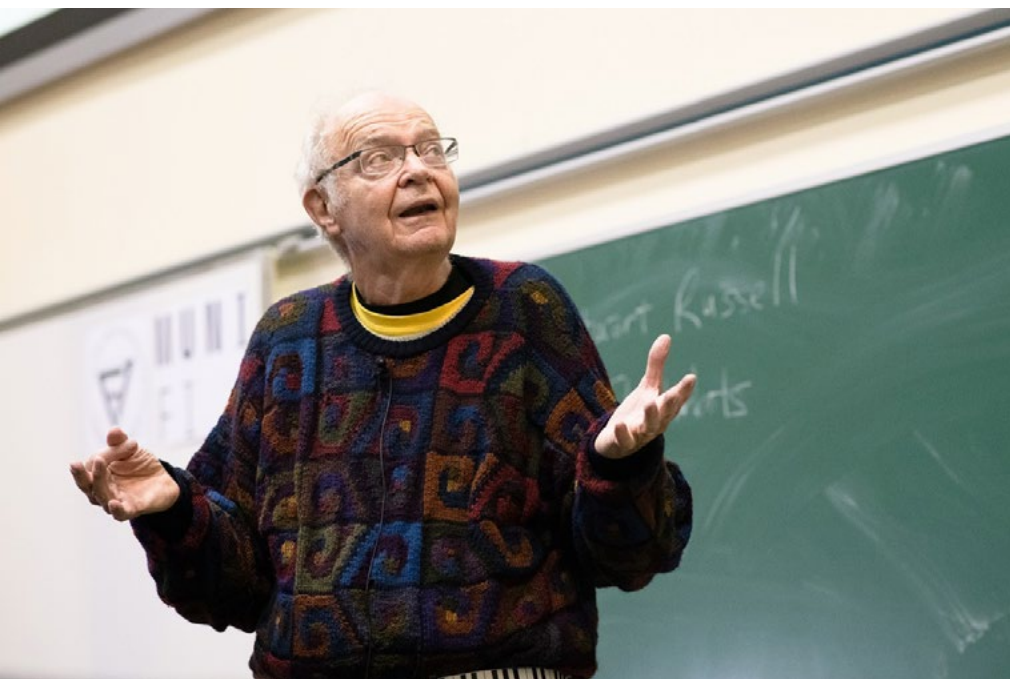
Areas of Research

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 4 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. Since 2019 the Faculty of Informatics offers professor chair, named after Donald Ervin Knuth. The chair is currently held by prof. Daniel Král'.



Boasting a vibrant history, prosperous business excellence, 9 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 **9 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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Photographs by FI MU, P. Gabzdyl, D. Židlický



