

M U N I
F I

Masaryk University
Faculty of Informatics

Open Positions

**Professor in Computer Graphics
and Computer Games Development**

July 31, 2020

**Associate Professor
in Computer Graphics
and Computer Games Development**

July 31, 2020

**Associate Professor
in Computer Networks and Systems**

June 15, 2020

**Lecturers in Programming
and Lecturer in Foundations
of Computer Science**

May 31, 2020

Professor Position in Computer Graphics and Computer Games Development

**Masaryk University
Faculty of Informatics**

Location	Brno, Czech Republic
Monthly salary	CZK 140,000 EUR 5,150 (approx.)
Hours	full-time
Contract type	tenure-track
Applications due	July 31, 2020
Employment start date	by mutual agreement



The Dean of the Faculty of Informatics, Masaryk University, invites applications for a position of **Professor at the Department of Visual Computing in the area of computer graphics and computer games development**. The candidates are expected to have an excellent research background in one of the areas of computer graphics, visualization, virtual reality, augmented reality, or computer games development, with sincere interest in the remaining ones as well.

Job Description

The position is focused on both research and teaching. The candidates are expected to carry out research of excellent quality and take responsibility for selected courses included in the specializations Computer Graphics and Visualization and Computer Game Development within the Visual Informatics study program: fi.muni.cz/catalogue2019.

In particular, the candidates should be able to prepare and deliver lectures and tutorials at the bachelor as well as master level in the following areas:

- Computer graphics
- Computer games development
- Visualization
- Virtual and augmented reality
- Programming of computer graphics applications

The candidates should show a large amount of flexibility in teaching subjects that are not directly related to their particular areas of research. They are expected to help with supervising undergraduate as well as graduate students and attract research projects to fund their research activities.

Requirements

- PhD in Computer Science or a related discipline
- Passion for problem solving and desire for working with students
- Excellent track record in both education and research in the areas listed above
- Dynamic, flexible personality, able to manage teams
- Fluency in English (both spoken and written); other language(s) welcome
- Experience from other countries than Czech and Slovak republics (at least half a year)
- Experience with research projects

Desired skills and achievements

- PhD work related to computer graphics, visualization, virtual reality, augmented reality, or computer games development

Other Information

The starting monthly salary is 140,000 CZK for the Professor position. 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.

Applicants should submit

- CV, including a summary of work experience, publication activity, teaching, involvement in research grants, etc;
- degree documents;
- cover letter explaining candidate's motivation and interest in obtaining the position;
- title and abstract of a lecture that can be presented as a part of the application process;
- the names and contact details of three professional and language referees.

Applications should be submitted through the university job application system at muni.cz/en/about-us/careers/vacancies/54632.



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

Queries related to the position as such can be addressed to Assoc. Prof. Petr Matula, pem@fi.muni.cz.

Associate Professor Position in Computer Graphics and Computer Games Development

**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	July 31, 2020
Employment start date	by mutual agreement



The Dean of the Faculty of Informatics, Masaryk University, invites applications for a position of **Associate Professor at the Department of Visual Computing in the area of computer graphics and computer games development.** The candidates are expected to have an excellent research background in one of the areas of computer graphics, visualization, virtual reality, augmented reality, or computer games development, with sincere interest in the remaining ones as well.

Job Description

The position is focused on both research and teaching. The candidates are expected to carry out research of excellent quality and take responsibility for selected courses included in the specializations Computer Graphics and Visualization and Computer Game Development within the Visual Informatics study program: fi.muni.cz/catalogue2019.

In particular, the candidates should be able to prepare and deliver lectures and tutorials at the bachelor as well as master level in the following areas:

- Computer graphics
- Computer games development
- Visualization
- Virtual and augmented reality
- Programming of computer graphics applications

The candidates should show a large amount of flexibility in teaching subjects that are not directly related to their particular areas of research. They are expected to help with supervising undergraduate as well as graduate students and attract research projects to fund their research activities.

Requirements

- PhD in Computer Science or a related discipline
- Passion for problem solving and desire for working with students
- Existing track record in both education and research in the areas listed above
- Dynamic, flexible personality, able to work well in teams
- Fluency in English (both spoken and written); other language(s) welcome
- Experience from other countries than Czech and Slovak republics (at least half a year)

Desired skills and achievements

- PhD work related to computer graphics, visualization, virtual reality, augmented reality, or computer games development
- Experience with research projects

Other Information

The starting monthly salary is 109,000 CZK for the Associate Professor position. 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, including a summary of work experience, publication activity, teaching, involvement in research grants, etc;
- degree documents;
- cover letter explaining candidate's motivation and interest in obtaining the position;
- title and abstract of a lecture that can be presented as a part of the application process;
- the names and contact details of three professional and language referees.

Applications should be submitted through the university job application system at muni.cz/en/about-us/careers/vacancies/54612.



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

Queries related to the position as such can be addressed to Assoc. Prof. Petr Matula, pem@fi.muni.cz.

Associate Professor Position 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	June 15, 2020
Employment start date	by mutual agreement



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

This position is aimed to strengthen the work of the Department of the Computer Systems and Communications, especially its SITOLA Laboratory (sitola.fi.muni.cz), a joint undertaking with Institute of Computer Systems of Masaryk University (ics.muni.cz) and CESNET association (cesnet.cz). The research laboratory concentrates on advanced technologies for high-performance computing, big data processing, high-speed networking, and planning with scheduling. It has unique access to advanced visualization technologies and large-scale infrastructure facilities including high-speed networks (40 Gb/s and more), big data storages (PB and more) and heterogeneous computing resources (GPUs, MIC, NUMA). The experience in computer networks related research is the most desirable, yet the abilities to work with a team of graduate students and faculty on research to engage both undergraduate and graduate students in both educational and research exercises are most critical.

Job Description Key Points

- Involvement in teaching in the area of Computer Networks and possibly 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 language(s) 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 the 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.

Applications should be submitted through the university job application system at muni.cz/en/about-us/careers/vacancies/54652.



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

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

Lecturer Positions in Programming and Lecturer Position in Foundations of Computer Science

**Masaryk University
Faculty of Informatics**

Location	Brno, Czech Republic
Monthly salary	CZK 49,000 EUR 1,800 (approx.)
Hours	full-time
Applications due	May 31, 2020
Employment start date	September 1, 2020



Description

The Dean of the Faculty of Informatics of Masaryk University invites applications for two positions of **Lecturers in Programming** and one position of **Lecturer in Foundations of Computer Science**. Positions are full-time.

Job Description Keypoints

- Tutoring of programming and programming skills in various programming languages and paradigms at Bachelor and Master degree levels or 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
- Supervision of Bachelor and Master theses
- 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 skill

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.

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 referees.

Other Information

The monthly salary is 49 000 CZK.

Applications should be submitted through the university job application system at muni.cz/en/about-us/careers/vacancies/54313.



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

Queries related to the position as such can be addressed to Prof. Ivana Černá, cerna@fi.muni.cz or Assoc. Prof. Eva Hladká, eva@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

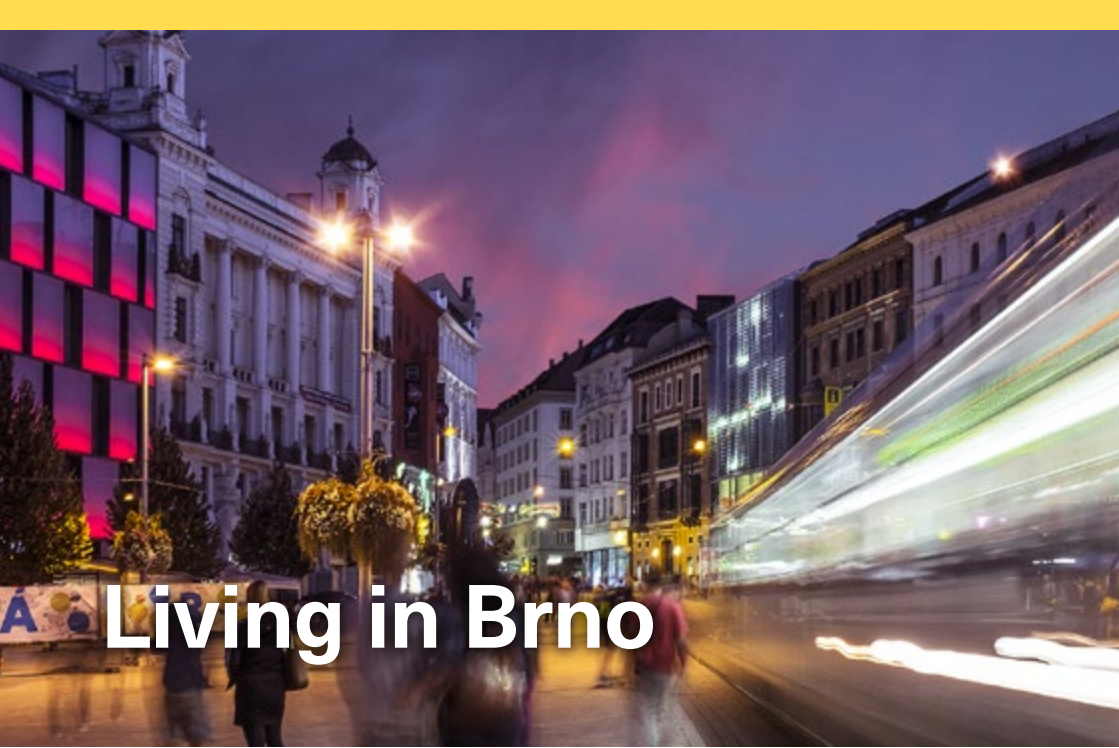
Teaching

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



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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