

**M U N I**  
**F I**

**Masaryk University**  
**Faculty of Informatics**

# **Open Positions**

**Department Head Positions**  
**in Computer Science**

Brno, Czech Republic

October 31, 2020

# Department Head Positions in Computer Science

**Masaryk University  
Faculty of Informatics**

Location

**Brno, Czech Republic**

Hours

**full-time**

Length of the contract

**36 months**

Applications due

**October 31, 2020**

Employment start date

**June or September 2021**



The Dean of the Faculty of Informatics, Masaryk University, invites applications for the positions of Heads of the following departments:

- **Department of Computer Science,**
- **Department of Computer Systems and Communications,**
- **Department of Machine Learning and Data Processing,**
- **Department of Visual Computing.**

## Job Description

Department Heads oversee the implementation of strategic policies and work towards the advancement of their departments and members. In the area of department (and related) administration, the head of the department is primarily responsible for

- work with department employees in the area of their personal development, namely qualification procedures;
- evaluation of academic staff according to faculty rules, based on the quality of teaching performance, scientific performance and work for the academic community;
- administration of a limited departmental budget that supports activities of research groups and laboratories related to the department.

In the field of teaching administration, the head of the department:

- monitors the teaching organization and takes care of the overall quality of courses provided by the department;
- cooperates with the guarantors of study programs, the courses of which are taught by the department;
- manages the teaching load of the department members (appoints the teachers of courses provided by the department), monitors the teaching delegated to external lecturers;
- leads the department team and recommends personnel changes (recruitment of new academics, reduction of working hours) to the faculty management;
- takes active care, in cooperation with other heads of departments, of the equality of working conditions of academics across departments and participates in decision-making on the establishment or termination of taught courses as a member of the FI Course Committee.

As with any member of the FI academic community, the head of the department is expected to:

- lead the teaching of given courses or otherwise significantly participate in the teaching;
- be (at least partly) scientifically active.

For more information on the departments, their members, publications and teaching activities see:  
[muni.cz/fi/general/structure?lang=en](https://muni.cz/fi/general/structure?lang=en)

Candidates should demonstrate leadership skills and experience, especially in situations requiring a collaborative leadership style; analytical, communication, and presentation capabilities as well as capabilities in project, people, and time management. Candidates are expected to be active researchers with preference in the corresponding department's focus areas; and to have Ph.D. in Informatics or related discipline. Habilitation ("venia docendi" or equivalent) or quick progress for this qualification degree is expected. Some familiarity with the Czech academic environment is welcome.

Department Heads report to the Dean of the Faculty of Informatics. The position is a 36-month administrative faculty appointment in addition to the standard academic duties. There is the possibility of tenure after initial appointment given appropriate credentials.

To apply, complete an application at the university job e-Application system at  
[muni.cz/en/about-us/careers/vacancies/56293](https://muni.cz/en/about-us/careers/vacancies/56293)



and attach a cover letter explaining your interest in the position; curriculum vitae including a summary of work experience, publication activities and involvement in research grants; Ph.D. degree documents; and names and contacts of three professional referees.

Any queries re. the application submission and the selection process shall be sent to [pers@fi.muni.cz](mailto:pers@fi.muni.cz).

Queries re. the positions as such should be directed to the Selection Committee Chair, prof. Vashek Matyáš, [matyas@fi.muni.cz](mailto:matyas@fi.muni.cz).

# Department of Computer Science

## Research Groups:

- ParaDiSe, Laboratory for Parallel and Distributed Systems
- Formela, Laboratory of Formal Methods, Logic and Algorithms
- DIMEA, Laboratory of Discrete Methods and Algorithms
- SYBILA, Systems Biology Laboratory

## Project funding:

- ERC Consolidator Grant LADIST
- Czech Science Foundation
- Technology Agency of the Czech Republic
- MUNI AWARD in Science and Humanities

## Master's specialization offered:

- Algorithms of computational models
- Formal verifications and analysis of programs
- Principles of programming languages
- Bioinformatics and systems biology



# Department of Computer Systems and Communications

## **Research Groups:**

- CRoCS, Centre for Research on Cryptography and Security
- LQIPC, Laboratory of Quantum Information Processing and Cryptography
- EmLab, Design and Architecture of Digital Systems Laboratory
- KYPO, Cybersecurity Laboratory
- Sitola, Research laboratory
- LabSeS, Laboratory of Service Systems
- Lasaris, Research Lab Software Architectures and Information Systems

## **Project funding:**

- European Union / Horizon 2020
- Czech Science Foundation
- Technology Agency of the Czech Republic
- Ministry of the Interior of the CR
- Ministry of Education, Youth and Sports of the CR
- Ministry of Industry and Trade of the CR

## **Master's specialization offered:**

- Hardware systems
- Information security
- Computer networks and communications
- Software systems
- Cybersecurity management
- Service development management
- Software systems development management

# Department of Machine Learning and Data Processing

## Research Groups:

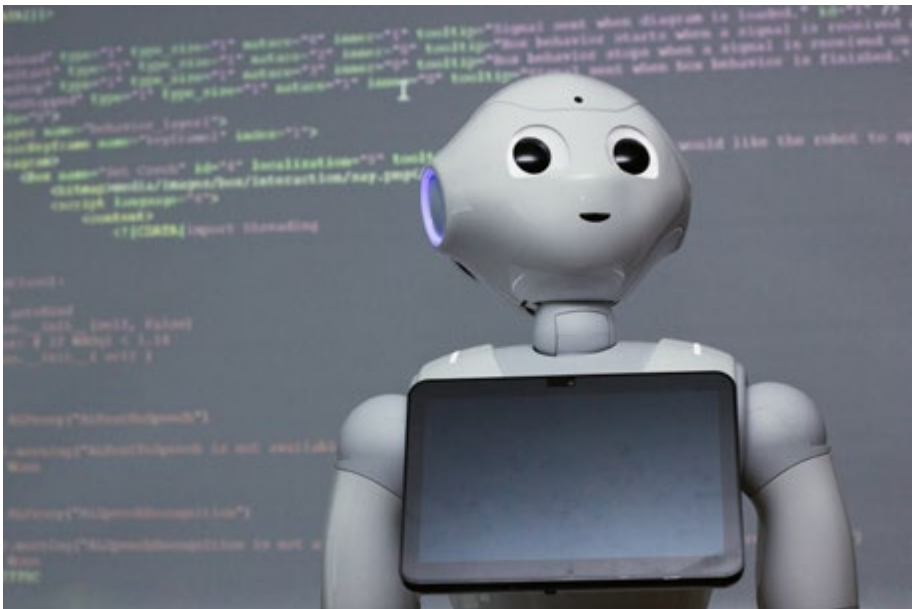
- NLP, Natural Language Processing Centre
- Knowledge Discovery Group
- Adaptive Learning Research Group
- DISA, Laboratory of Data Intensive Systems and Applications

## Project funding:

- Czech Science Foundation
- Technology Agency of the Czech Republic
- Ministry of Education, Youth and Sports of the CR

## Master's specialization offered:

- Machine learning and artificial intelligence
- Processing and analysis of large data
- Natural language processing







## Department of Visual Computing

### Research Groups:

- CBIA, Centre for Biomedical Image Analysis
- HCI, Human Computer Interaction Laboratory
- AGD+M, Studio of Graphic Design and Multimedia
- Visit Lab, Visualization Laboratory
- LEMMA, Laboratory of Electronic and MultiMedia Applications

### Project funding:

- European Union / Horizon 2020
- Czech Science Foundation
- Ministry of Education, Youth and Sports of the CR
- Ministry of Culture of the CR
- Brno City Municipality

### Master's specialization offered:

- Image processing and analysis
- Graphic design
- Computer graphics and visualization
- Computer game development



# 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](http://cerit.fi.muni.cz);
- Cyber Exercise & Research Platform [kypo.fi.muni.cz](http://kypo.fi.muni.cz);
- organization of conferences: Text, Speech and Dialogue; Computational Methods in Systems Biology 2018; EuroVis 2018; CEQIP or DIMEA Days.

## Research Laboratories

The faculty is a home to a diverse group of 21 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

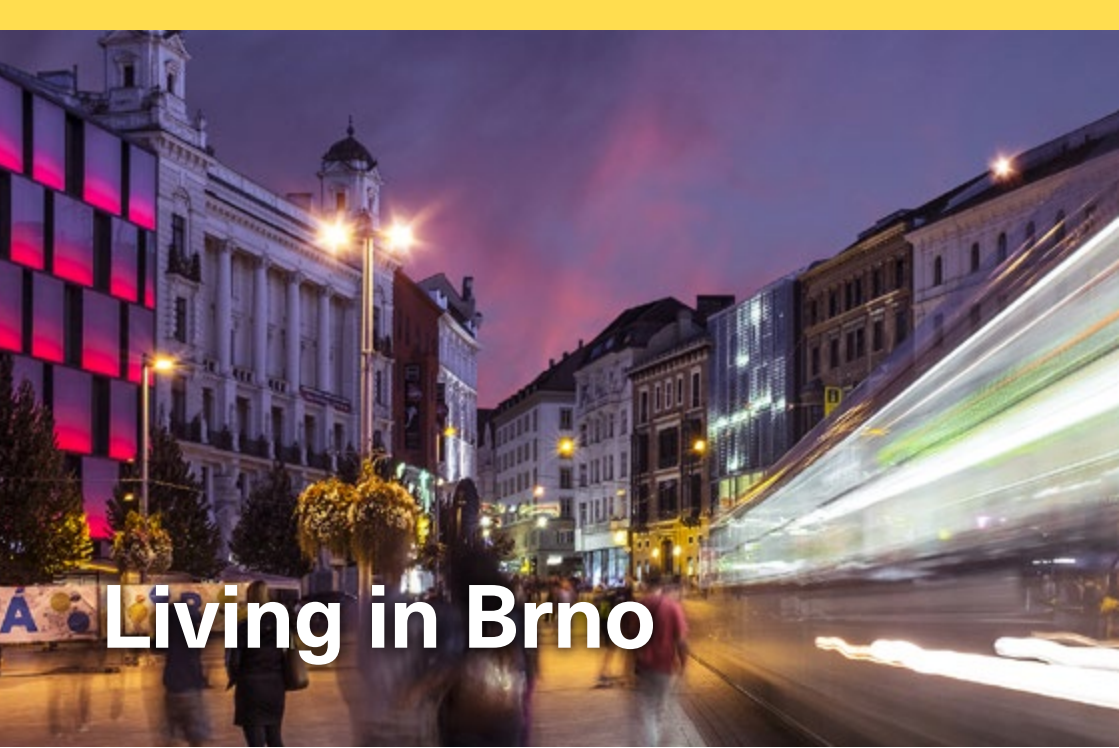
## Teaching

We offer 4 bachelor's programs, 7 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, 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
- Brno was home to the founder of the modern science of genetics **Gregor Mendel** and one of the most significant logicians in history, **Kurt Gödel** (whose portrait is on the faculty insignia).





## Contacts

### Faculty of Informatics MU

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