

Brno and the IT industry belong together inseparably. Innovation, especially in IT, is the driving force behind the development not only of Brno. To make this development more efficient and approachable, we are continuously connecting our university with the world of business. This creates an ecosystem where we complement each other and allows us to dream of Brno as the heart of Central Europe's innovations.

The Association of Industrial Partners (AIP) has a long tradition at the Faculty of Informatics, Masaryk University. For 16 years, it has been supporting mutual cooperation between companies, researchers and students in the areas of research, teaching, support of PhD students and other activities in order to achieve the best results in the field of IT.

## The main activities of AIP FI MU are:

- **Day with Industrial Partners:** since we had to react quickly to the current situation, the spring and autumn events were streamed **online** – this format brought a number of benefits and expanded our possibilities in the upcoming years.
- **Competition for talented FI students:** the competition is organised primarily for students in the 2nd and 3rd semesters of bachelor's studies and takes place once a year. Talented students can be rewarded with a corporate **scholarship**. In 2021 the winner got a place in the laboratory in cooperation with Red Hat Czech – Tomáš Jusko, Honeywell – Samuel Ladislav Šindler, Monet+ – Jakub Janků, Y Soft – Tomáš Grbálik and Flowmon – Ondřej Ježek. Congratulations.
- **Participation in teaching:** more than half of the companies organized **lectures and seminars** on professional and current topics in their field. One of the most active companies in this respect was Red Hat Czech, which in 2021 introduced a new lecture on "Handling complexity in industry projects with soft management" (within compulsory bachelor's course PB007 Software Engineering I with over 350 students).
- **Organization of competitions for students awarded a scholarship:** for example a competition for the best final thesis in the field of IT security where **5 winners** received a scholarship with the support of InvaSys, Red Hat Czech and Y Soft.
- **Offer of internships for students and job opportunities for graduates:** this year there was an increase in the number of internships in cooperation with AIP to 38. Most internships were offered by Red Hat Czech, Ketnico Software, TECHNISERV, InQool and Y Soft.
- **Joint research:** Red Hat Czech and Honeywell participated in the **TAČR AUFOVER** project. Cooperation on the **TAČR AHISTO** project with Lexical Computing continues. Flowmon Networks is involved in the **MACE project**. Several **research publications** came from the collaboration with Umime to. VF Nuclear is involved in the **TAČR Integrated spectrometric system for free release of radioactive waste project**. Wereldo spoke about the collaboration with the Faculty of Informatics in czech radio called Radiožurnál in the series called **Innovators**.
- **Sponsored PhD positions:** in the area of sponsored PhD positions, there was an increase in the supported students to **15 students**, not only coming from the cooperation with strategic partners. Regular PhD student support was provided by InvaSys, Lexical Computing, Konica Minolta, Red Hat Czech, but also Monet+. Another **4 PhD students** were supported by Kentico Software, Nexa Technologies, Tescan and Safetica.
- In addition, the companies involved in SPP also sponsor FI Film Festival and Open days of the Faculty of Informatics MU, these include Red Hat Czech and Kentico software.

## Partnership Categories

AIP offers three levels of partnership, which are different in degrees of contractual cooperation, the minimum contribution to cover joint activities and the assumed number of successfully finalized final theses in cooperation with the company.

### Strategic Partner

This is the highest level of partnership with an intense form of cooperation, which presupposes a sustained and long-term interest in common activities. A specific research team from FI is involved in the cooperation. The partner is invited to joint discussions on important matters of study and research, and is also involved in supporting PhD research by sponsoring a particular PhD student.

Minimum contribution / year	Defended BA, MA theses / 2 years
256 000 CZK	15

### Partner

This form of cooperation, the second most common, is meant for larger companies to establish initial contact with FI MU. Each partner is assigned a contact person from FI MU faculty who participates in the development of projects with the involvement of several students.

Minimum contribution / year	Defended BA, MA theses / 2 years
96 000 CZK	10

### SME Partner

This is an initial level of cooperation that is designed for small businesses interested to join the AIP. The aim is to better understand each other and identify specific options for cooperation.

Minimum contribution / year	Defended BA, MA theses / 2 years
64 000 CZK	5



## Examples of common successes in numbers

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- **15 final theses** supervised by RedHat
- Provided support to **5 PhD students**
- Joint research called **TACR – AUFOVER**
- Involvement in the preparation and teaching of **11 courses**
- Sponsor of competitions, Film Festival and Open Days



- **8** successfully supervised **final theses**
- Involvement in one course and preparation of a **new course called** Mobile Security
- **PhD student** support in applied research
- Sponsor of the **competition** for talented students



- **7** successfully supervised **final theses**
- Organisation of one summer internship
- Sponsor of the **competition** for talented students
- Collaboration on **MACE project**
- The highest **royalties** for MU from the application of research and development results on the market in the history of cooperation

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Number of PhD students supported by scholarships 2021	Number of companies involved in teaching 2021	Number of Industrial partners 2021
19	16	27





## Strategic Partner

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## Partner

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## SME Partner

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SECURE CONNECTIONS  
FOR A SMARTER WORLD



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