

Annual Report 2022

The Association of Industrial Partners (SPP FI MU) has a long tradition at the Faculty of Informatics of Masaryk University. Since 2007 it has been supporting companies' cooperation to achieve the best possible results in the field of information technology.

Strategic partner



Partner



SME partner



Contacts:

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SPP activities in cooperation with companies in 2022:

Final theses in cooperation with companies

- 93 successfully defended bachelor and master theses
- 9 theses awarded the Dean's Prize

Participation in teaching

- 40 courses
- Most active companies: Red Hat Czech (12 courses), Lexical Computing (7 courses), Konica Minolta (4 courses), Oracle (5 courses) a Techniserv (4 courses)

Day with Industrial Partners

- Spring and autumn events in the faculty building
- Blocks with talks and panel discussions, booths, and workshops
- Inspirational atmosphere and great feedback from both companies and students
- Positive evaluation of students' interests in the company booths
- TNS competition – New Generation of Pentesters* competition for the most convincing phishing

Joint research and projects

- Lexical Computing – TAČR AHISTO
- Red Hat Czech – CHES (Cyber-security Excellence Hub in Estonia and South Moravia)
- Progress (Flowmon Networks) – “Framework for Active Monitoring of Network Services” project (thesis by Samuel Dudík)
- Trusted Network Solutions and CYBERSEC lab – Penetration Testing Report Generator
- Konica Minolta – applied research in text and image analysis for students
- Monet+ – research in applied cryptography
- TESCAN – contract research project on “Design of an algorithm for image marker detection using mathematical morphology”

Sponsored PhD positions

- **15 PhD students** – co-supervisions and regular support
- Companies involved: InvaSys, Konica Minolta, Lexical Computing, Red Hat Czech, Monet+ and Wereldo

Competition for talented FI students

- Companies involved: Red Hat Czech, Lexical Computing, Monet+, Y Soft, NXP Semiconductors, and Umíme to
- **12 finalists**
- **8 positions** for researchers in laboratories

Final thesis competition in security

- **5 winners** with the **IT Security Thesis Competition**
- Companies involved: InvaSys, Red Hat Czech, and Y Soft

Offer of internships for students and job opportunities for graduates

- **96 internship positions**
- Most active companies: Red Hat Czech (25 students on internship), InQool (12 students), BiQ Bluesoft (11 students), Oracle (7 students), Kentico Software (5 students), and Monet+ (5 students)

Other interesting activities

- **Researchers' Night** – Konica Minolta with the theme Papers and Clouds
- **FI Film Festival** – Red Hat Czech and Kentico
- **Open Days** – Red Hat Czech, Kentico, and Monet+
- **Competition** – e.g., organized by NXP in autonomous driving of car models
- **Publication activities** – e.g., Umíme to and Wereldo
- **Summer Camp** – e.g., Oracle
- **Excursions** – e.g., VF Company

Partnership Categories

SPP 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.

Partner

This form of cooperation 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.

SME partner (Small and Medium Enterprise)

Ideal option for small companies or first contact in the context of cooperation. The aim is to get to know each other, to understand each other better, and to identify concrete opportunities for cooperation.

	Minimum contribution / year	Defended BA, MA theses / 2 years
Strategic Partner	256 000 CZK	15
Partner	96 000 CZK	10
SME partner	64 000 CZK	5

The newcomers in SPP

We would like to introduce you to the companies that joined SPP in 2022:



Oracle Czech s.r.o.

One of the leading companies developing relational databases, database development and management tools, and customer relationship management systems.

- Involvement in teaching 5 courses
- 7 trainees
- 5 theses offered in Information System of MU
- 10 students in intensive coaching Summer Camp
- Participation in SPP Days (speakers, workshop, booth)



ADACTA SOFTWARE, s.r.o.

A leading provider of software for the insurance industry. The AdInsure insurance platform provides Life and P&C insurers with a forward-thinking way to streamline their operations and processes.

- 4 interns
- 4 theses offered in Information System of MU
- 4 students involved in research at Adacta
- Participation in SPP Days (booth)



CHAPS spol. s.r.o.

A company engaged in developing IT applications and systems, maintenance, and operation. They focus on complex software solutions, especially for passenger transport both on rail and road.

- 2 trainees
- 2 theses offered in Information System of MU

