



**We turn ideas into technology
innovations**
by bringing academia closer
to business

PROBLEM

Have you ever tried to find a scientist to cooperate with on a university website? UGH!

When it comes to accessing information from academic institutions, one can quickly get the feeling of trying to get into a mysterious BLACK BOX.



UNIVERSITY WEBSITES: A MYSTERIOUS BLACK BOX?

Universities create research-based inventions that have the potential to become valuable commercial applications. However, these inventions are locked behind the doors of academia because research institutions lack the tools to effectively present their expertise to business. It is difficult for businesses to access these intellectual assets to innovate.

As a result, opportunities are missed because universities do not benefit from commercialisation, scientists do not see their discoveries turned into spin-offs, and businesses miss out on cutting-edge knowledge. Everyone loses out.

EXPERTS.AI

EXPERTS.AI is a smart matchmaker connecting the right research to the right application.

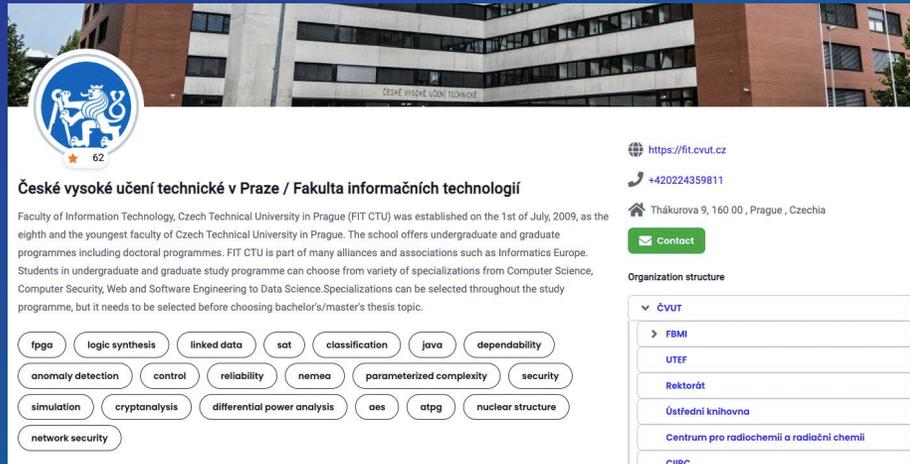
As a AI-powered platform crunching vast amounts of scientific data or as a built-in widget on websites of universities, EXPERTS.AI links companies with top scientists to create remarkable business innovations. EXPERTS.AI is all-in-one tool to present:

- ✓ scientists
- ✓ research outcomes such as patents, publications, or projects
- ✓ equipment and spin-offs



SOLUTION

Widgets on university websites



České vysoké učení technické v Praze / Fakulta informačních technologií

Faculty of Information Technology, Czech Technical University in Prague (FIT CTU) was established on the 1st of July, 2009, as the eighth and the youngest faculty of Czech Technical University in Prague. The school offers undergraduate and graduate programmes including doctoral programmes. FIT CTU is part of many alliances and associations such as Informatics Europe. Students in undergraduate and graduate study programme can choose from variety of specializations from Computer Science, Computer Security, Web and Software Engineering to Data Science. Specializations can be selected throughout the study programme, but it needs to be selected before choosing bachelor's/master's thesis topic.

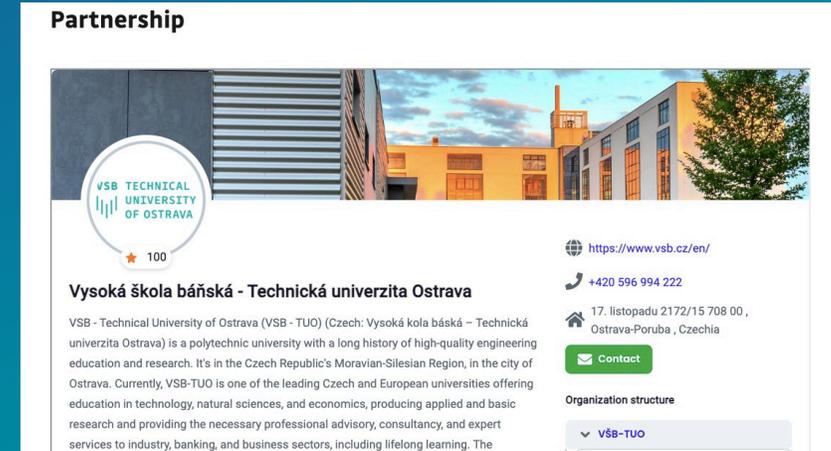
https://fit.cvut.cz
+420224359811
Thákurova 9, 160 00 , Prague , Czechia

Contact

Organization structure

- CVUT
 - FBMI
 - UTEF
 - Rektorát
 - Ústřední knihovna
 - Centrum pro radiochemii a radiační chemii
 - CIIRC

Tags: fpga, logic synthesis, linked data, sat, classification, java, dependability, anomaly detection, control, reliability, nemea, parameterized complexity, security, simulation, cryptanalysis, differential power analysis, aes, atpg, nuclear structure, network security



Partnership

VSB TECHNICAL UNIVERSITY OF OSTRAVA

100

https://www.vsb.cz/en/
+420 596 994 222
17. listopadu 2172/15 708 00 , Ostrava-Poruba , Czechia

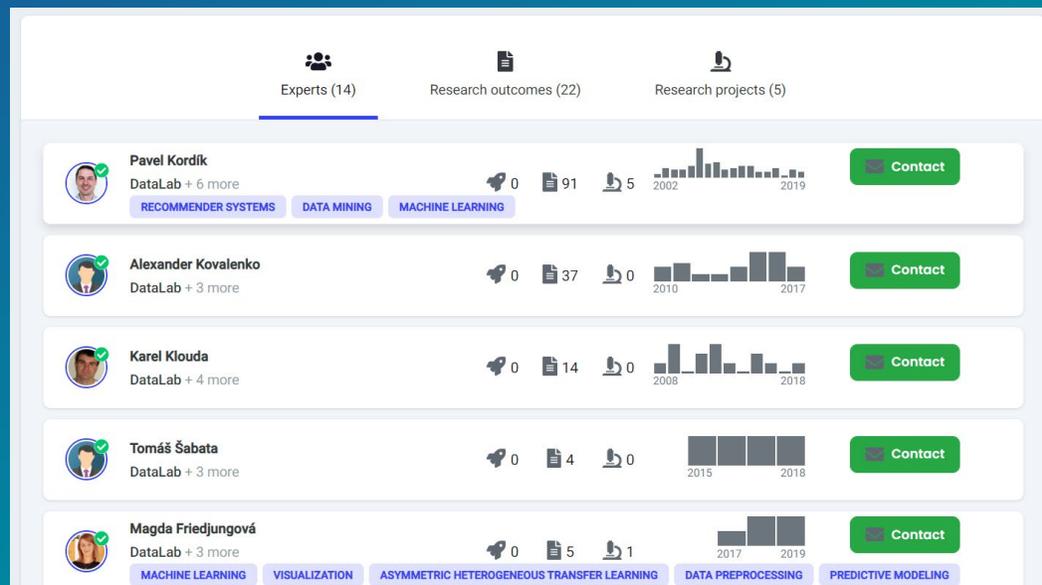
Contact

Organization structure

- VŠB-TUO

Vysoká škola báňská - Technická univerzita Ostrava

VSB - Technical University of Ostrava (VSB - TUO) (Czech: Vysoká škola báňská - Technická univerzita Ostrava) is a polytechnic university with a long history of high-quality engineering education and research. It's in the Czech Republic's Moravian-Silesian Region, in the city of Ostrava. Currently, VSB-TUO is one of the leading Czech and European universities offering education in technology, natural sciences, and economics, producing applied and basic research and providing the necessary professional advisory, consultancy, and expert services to industry, banking, and business sectors, including lifelong learning. The



Experts (14) | Research outcomes (22) | Research projects (5)

Pavel Kordik
DataLab + 6 more
RECOMMENDER SYSTEMS | DATA MINING | MACHINE LEARNING
0 | 91 | 5 | 2002 | 2019 | Contact

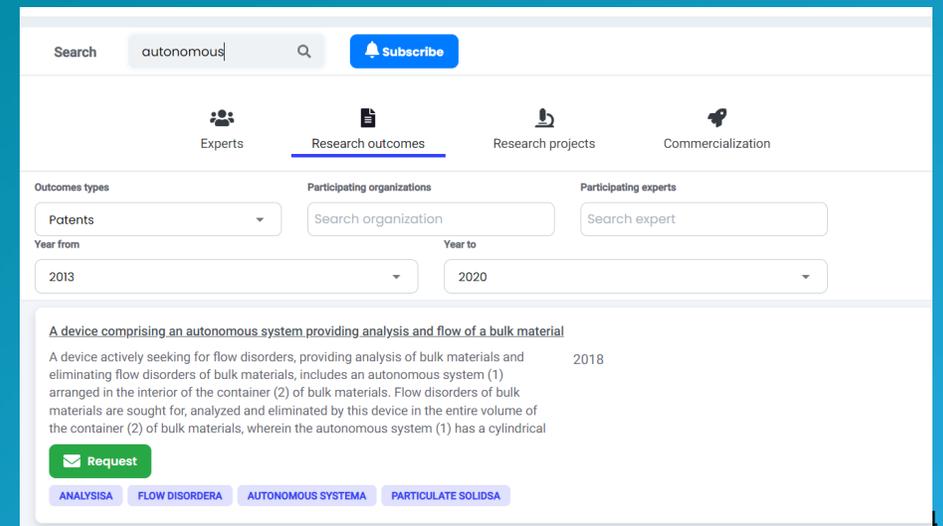
Alexander Kovalenko
DataLab + 3 more
0 | 37 | 0 | 2010 | 2017 | Contact

Karel Klouda
DataLab + 4 more
0 | 14 | 0 | 2008 | 2018 | Contact

Tomáš Šabata
DataLab + 3 more
0 | 4 | 0 | 2015 | 2018 | Contact

Magda Friedjungová
DataLab + 3 more
0 | 5 | 1 | 2017 | 2019 | Contact

MACHINE LEARNING | VISUALIZATION | ASYMMETRIC HETEROGENEOUS TRANSFER LEARNING | DATA PREPROCESSING | PREDICTIVE MODELING



Search: autonomous | Subscribe

Experts | Research outcomes | Research projects | Commercialization

Outcomes types: Patents | Participating organizations: Search organization | Participating experts: Search expert

Year from: 2013 | Year to: 2020

A device comprising an autonomous system providing analysis and flow of a bulk material 2018

A device actively seeking for flow disorders, providing analysis of bulk materials and eliminating flow disorders of bulk materials, includes an autonomous system (1) arranged in the interior of the container (2) of bulk materials. Flow disorders of bulk materials are sought for, analyzed and eliminated by this device in the entire volume of the container (2) of bulk materials, wherein the autonomous system (1) has a cylindrical

Request

ANALYSIS | FLOW DISORDERS | AUTONOMOUS SYSTEMA | PARTICULATE SOLIDS

Easily customizable and integrated to websites or intranets

The screenshot displays the Microsoft Teams interface. The top navigation bar includes the Microsoft Teams logo, a search bar with the text "Hledat", and the user's name "České vysoké učení technické v Praze". The left sidebar shows navigation options: Aktivita, Chat, Týmy, Zadání, Kalendář, Hovory, and Soubory. The main content area shows a search for "data" with a "Subscribe" button. Below the search bar, there are tabs for "Opportunities" and "Experts". The "Experts" tab is active, showing a list of experts with their profiles, contact buttons, and a bar chart representing their expertise over time.

Expert Name	Company	0	17	2	2004	2019	Contact
Oldřich Nouza	Profinit, s.r.o. + 2 more	0	17	2	2004	2019	Contact
Jiří Toušek	Profinit, s.r.o. + 1 more	0	8	1	2017	2019	Contact
Lukáš Hermann	Profinit, s.r.o. + 2 more	0	9	2	2012	2019	Contact



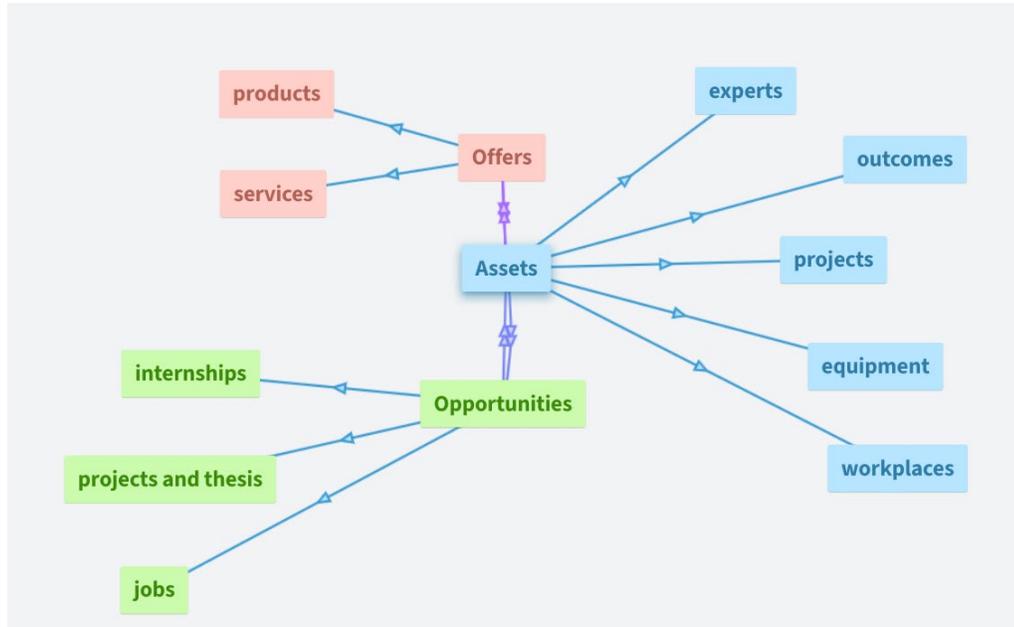
The General Data Protection

Secure and compliant

We provide all legal materials that are necessary, our solution is secure and fulfills all required data protection standards such as the GDPR.

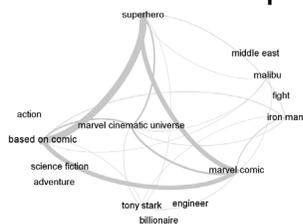
COMPLIANT

AI algorithms used and developed for EXPERTS.AI

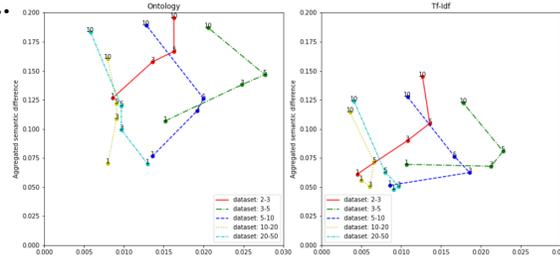


ALS training: $\forall p_i : L(p_i) = \|R_i - P_i \times Q^T\|_2 + \lambda \cdot \|p_i\|_2$
 $\forall q_j : L(q_j) = \|R_i - P \times Q_j^T\|_2 + \lambda \cdot \|q_j\|_2$

Ontology:

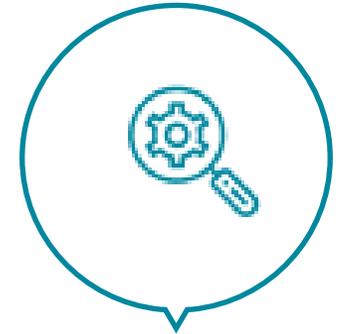


Improvement:



AI-technology to better understand and represent data on research and innovation

Transformers,
graph neural networks,
smart ontologies



Smart data

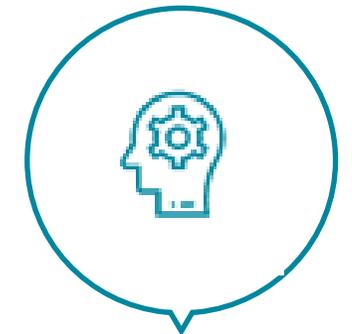
and present right data to the right users

Recommender systems with
constraints,

personalized search,

learning to rank algorithms,

semantic suggestions



Smart recommendation
and personalized search

Our clients



**FACULTY
OF INFORMATION
TECHNOLOGY
CTU IN PRAGUE**



**UNIVERSITY
OF WEST
BOHEMIA**



**VSB TECHNICAL
UNIVERSITY
OF OSTRAVA**



**University of
Hradec Králové
Faculty of
Science**

ŠKODA



**FACULTY
OF BIOMEDICAL
ENGINEERING
CTU IN PRAGUE**

Reference



Marcel Jiřina

Dean, FIT CTU



Nikolas Mucha

Commercialisation Specialist,
VSB-TUO



Piotr Kulczakowicz

UM Ventures' Senior Innovation
Manager, University of Maryland



Our Vision

Golden standard for presentation of intellectual assets.

Academic institutions globally use EXPERTS.AI to present their experts, research outcomes and lab equipment.

Universities also use EXPERTS.AI to present opportunities for their students such as internships or research positions.

Global marketplace for companies to innovate.

EXPERTS.AI serve as a single point of access to intellectual assets globally. EXPERTS.AI enable companies to look for specific expertise in academic and in research institutions in all fields of research around the world in one time and at one place.

Positive social and economic impact.

EXPERTS.AI foster and speed-up innovations globally and create positive social and economic impact by enabling exciting research outcomes to turn into real-life applications.

UNICO

**We bring academia
closer to business.**



Vojtěch Nosek

CEO & Co-founder

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