



UNIVERSITY
OF OSTRAVA

University of Ostrava

brief history and current status

History of the Universty

1991

1993

1996



Establishment of the Ostrava university



Establishment of

- Faculty of Health and Social Studies

Establishment of

- Institute for Research and Applications of Fuzzy modeling



History of the University

2008

Establishment of

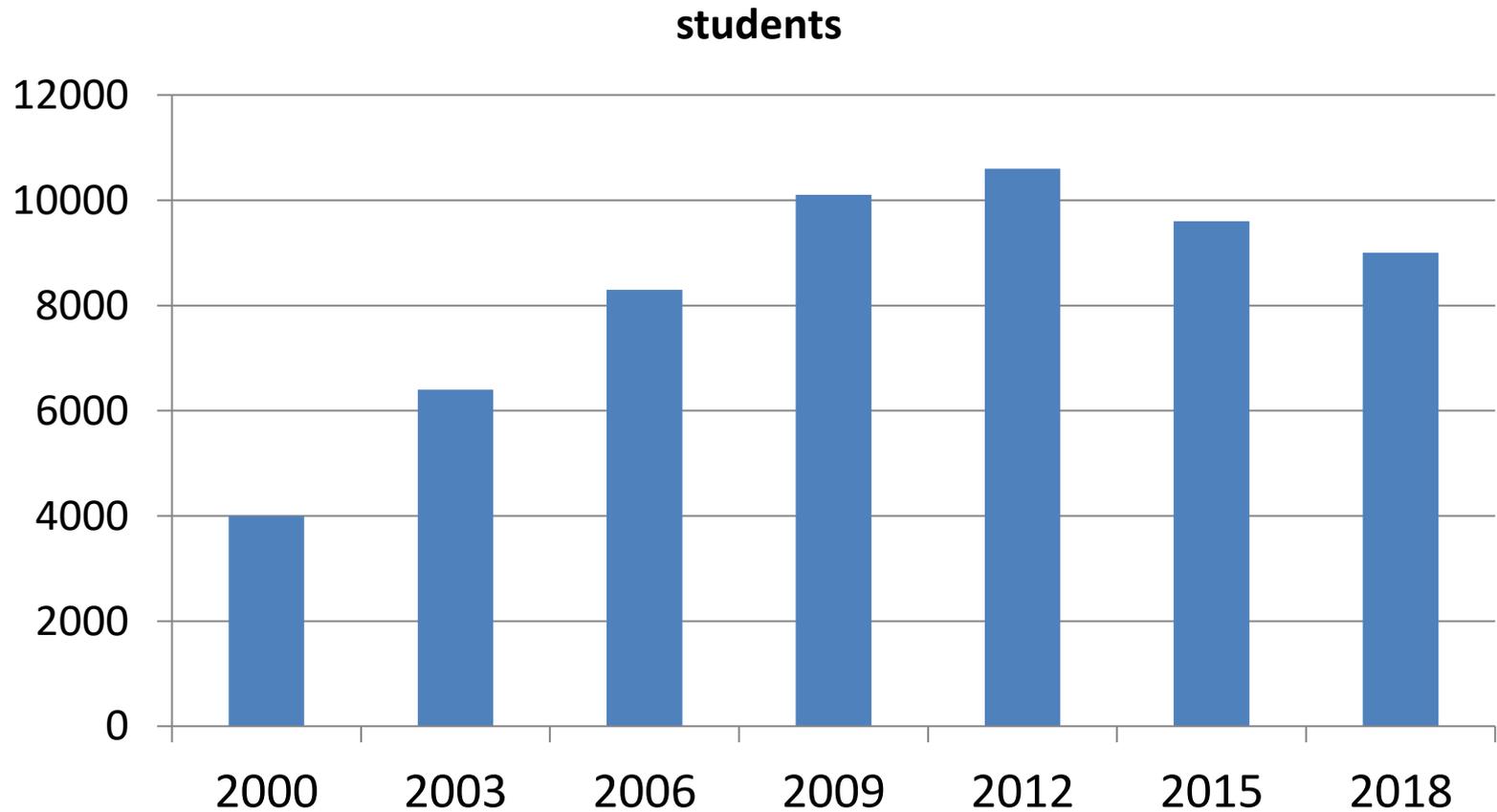


2010

Transformation of
the Faculty of
Health Studies
into Medical
Faculty



Number of students



Degree Programmes in English

Bachelor's Degree Programmes

English Philology	3 years	B2
Mathematics	3 years	B2

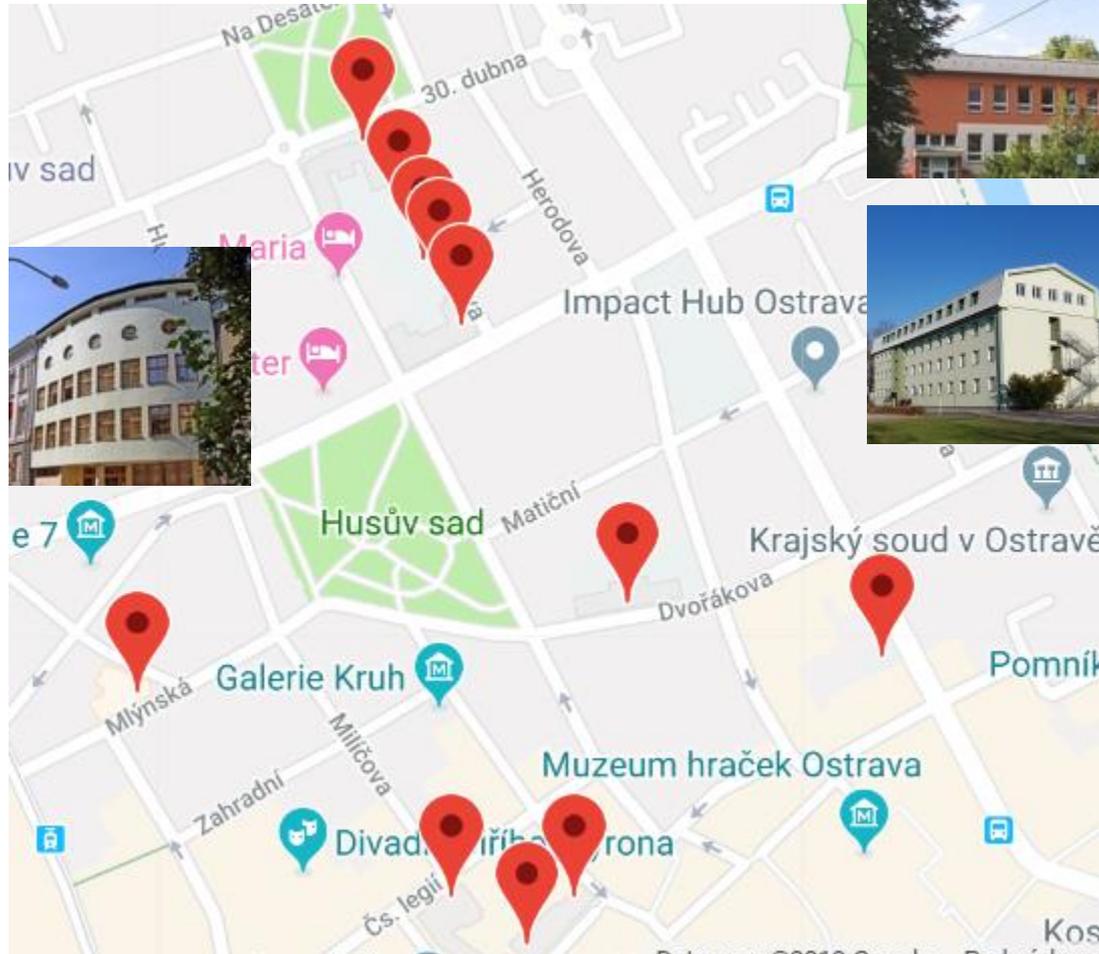
Master's Degree Programmes

English Philology	2 years	C1
General Medicine	6 years	B2
Mathematics	2 years	B2

Doctoral Degree Programmes

Mathematics	4 years	C2
English Philology	4 years	C2
Social Work	4 years	B2

University dislocation in the area of Ostrava





UNIVERSITY OF OSTRAVA

INSTITUTE FOR RESEARCH AND APPLICATIONS OF FUZZY MODELING

Institute for Research and Applications of Fuzzy Modeling (IRAFM)

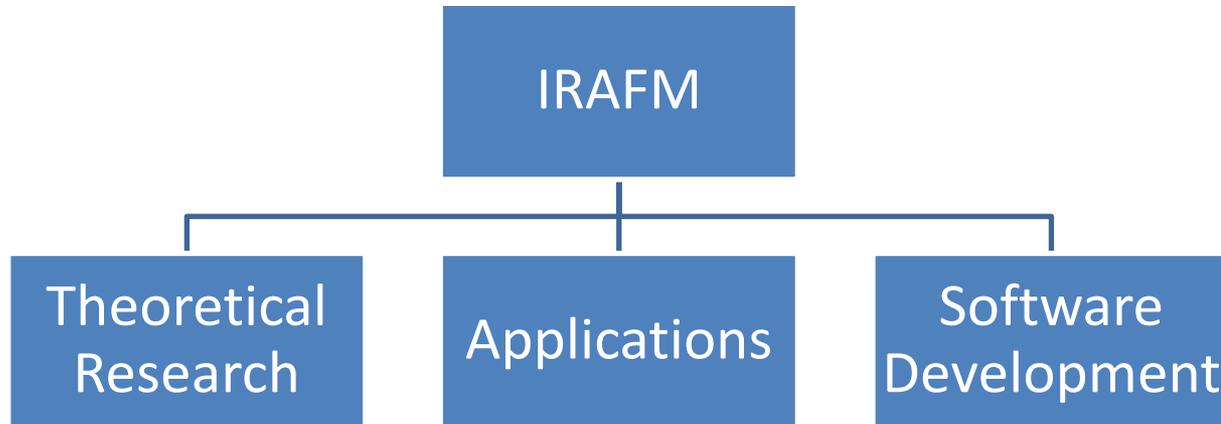
Centre of Excellence IT4Innovations
University of Ostrava



One of few research institutes in the world
working in the field of
Soft Computing



Structure of IRAFM



Working groups





Bilateral agreements

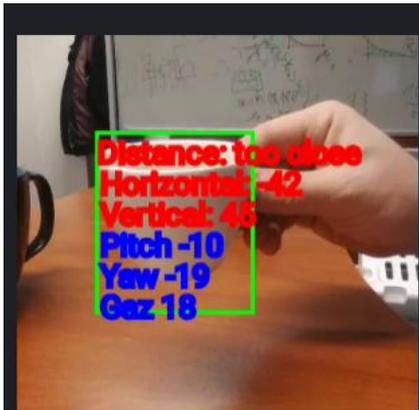
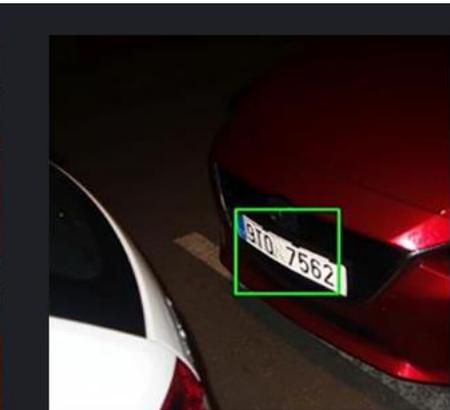
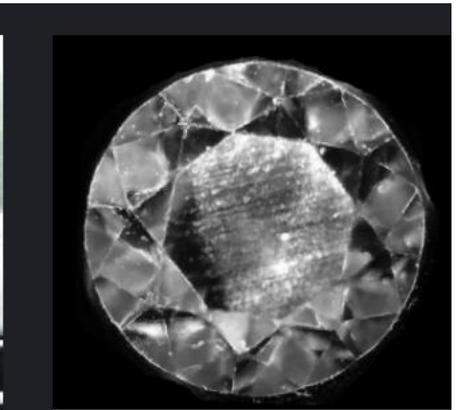
- **Artificial Intelligence Research Institute** – CSIC, Barcelona, Spain
- **Taganrog Institute of Technology** - Southern Federal University, Russia
- **Ulyanovsk State Technical University**, Ulyanovsk, Russia
- **University of Applied Science**, Zittau/Goerlitz, Germany
- University of Latvia in Riga, Republic of Latvia
- **St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences** , Russia

Research Outputs

- Every year IRAFM generates more than 20% of Ostrava University scientific output.
- Over 450 lectures given by IRAFM members at universities and international conferences in 37 countries
- Over 800 scientific publications in international journals



Examples of Real Applications

 A hand holding a small white object on a wooden table. A green bounding box is drawn around the object. Red text above the box reads "Distance: too close", "Horizontal: -42", and "Vertical: 45". Blue text below the box reads "Pitch -10", "Yaw -19", and "Gaz 18".	 A close-up of a red car's rear license plate. The license plate is white with black text and a green border. The text on the plate is "BTD 7562".	 A view from inside a car looking out the windshield. A tablet mounted on the dashboard displays a navigation application with a green route on a map. The car's speedometer shows "94".	 A close-up of a large, faceted diamond gemstone set against a black background.
<p>Drone real-time objects tracking</p>	<p>License plate recognition</p>	<p>Android Driver Assistant</p>	<p>Jewelry Stones Classification</p>

International conferences organized by IRAFM



**Conference of the European
Society for Fuzzy Logic and
Technology**



**International Conference on
Fuzzy Set Theory
and Applications**

International Student Conference on
Applied Mathematics and Informatics



ISCAMI
(established 2009)



Thank you for your attention