ABOUT US

The IDEAI-UPC Research Center is the common place at the Universitat Politècnica de Catalunya - BarcelonaTech (UPC) for both, long-experienced and excellence-background newbies research groups in AI and Intelligent Data Science.

The UPC research groups supporting this initiative are: GREC, KEMLG, SOCO, GPLN, VEU, GPI and CBA.

CONTACT US

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IDEAI-UPC

Intelligent Data Science and Artificial Intelligence

“THE UPC AI HUB!”

70
permanent researchers

30
years experience

AI training
bachelor, master, PhD

R+I
> 8M€
[2017-2020]

TT
To industry
corporations
public sector

Expertise in most AI areas

- **Knowledge**
- **Reasoning**
- **Intelligent decision suport**
- **Machine Learning**
- **Soft computing**
- **Distributed AI**
- **Natural Language Processing**
- **Voice processing**
- **Computer vision**
- **Intelligent networks**

CIDAI

XARXA TECSAM

AI4EU

acia

Member of

XAFiR

XarTEC SALUT

IABiomed

i4KIDS

Industry 4.0

Manufacturing production using intelligent techniques, big data, and internet of things approaches to increase performance costs reduction.

Efficient Resources

Mobility, transport, climate change, wastewater treatment, energy plans, smart grids, urban design, energy-saving, infrastructure location are among the projects we are currently developing, and we will continue to work with.

Digital Society

Leading this disruptive area, we spread on-line and e-research along institutions, markets, commerce, and education.

Talent

Improving the connection between talented students and opportunities in companies.

Health and Inclusion

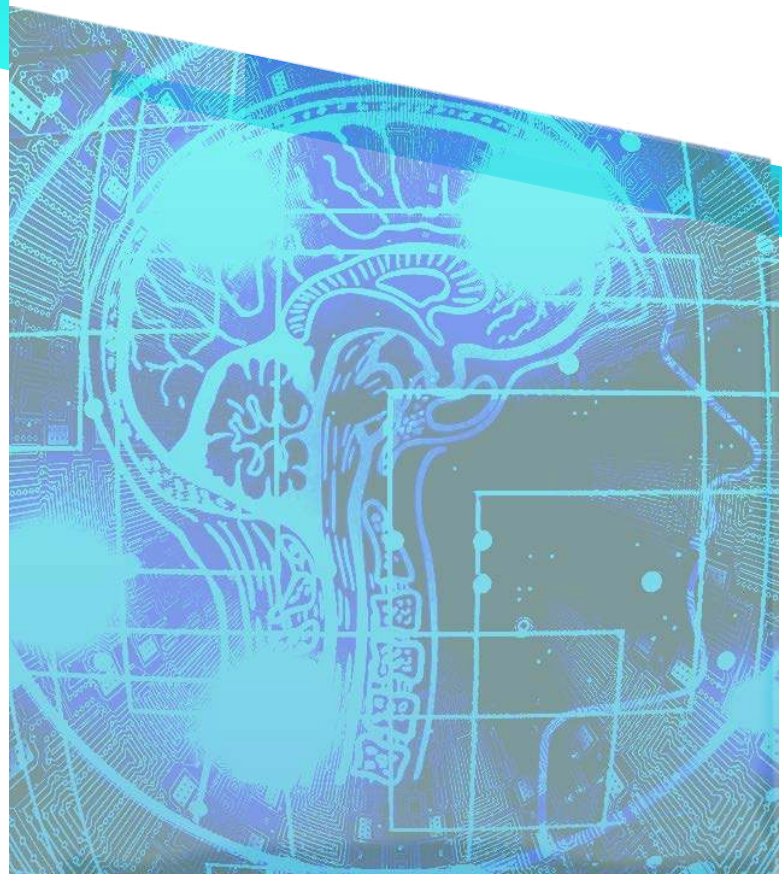
Using intelligent systems to advance in personalized medicine, patient-centered approach, quality of life and inclusion by better Intelligent diagnoses, clinical reports analysis, medical image processing, predictive models, intelligent health assistants, assistive technologies to all areas of health (mental health, rehabilitation, oncology, nutrition and healthy life styles, physical disabilities...)

Innovation

Patent generation and defense of intellectual property, especially software products; increasing relationships with start-ups and European research networks.

Education

Promoting the mobility of researchers; fully promoting entrepreneurship; taking full profit of the learn by doing and assigning professional mentors from the RRI board.

Economy

Smart Economy, Business and Smart Cities are closely related application areas where IDEAI-UPC is very active, from customers segmentation to sales forecasting, fraud detection, or data-driven models.